ISSN: 0049—0105

VOLUME 4, NUMBER 1

JANUARY 1974

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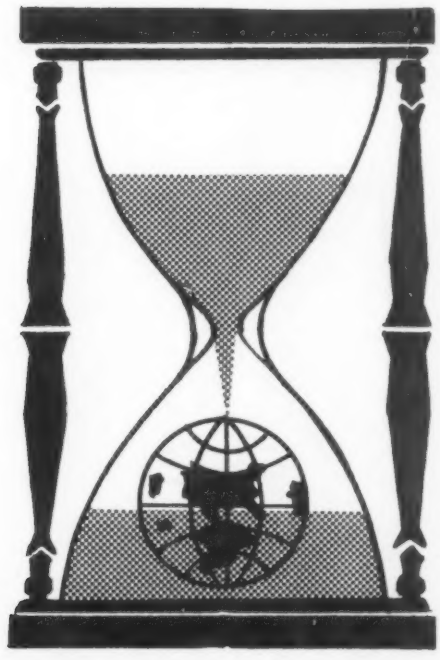
# Selected references on ENVIRONMENTAL quality as it relates to HEALTH



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[Bethesda, Md.] National Library of Medicine.
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1. Environment - indexes 2. Environmental Health - indexes I. National Library of Medicine. II. Title: Environmental quality as it relates to health

*Use of funds for printing this publication approved by the Director of the Office of Management and Budget October 21, 1970.*

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D. C. 20402. Price: 90 cents (single copy). Subscription Price: $10.05 per year; $13.60 foreign.

# INTRODUCTION

*Selected References on Environmental Quality as It Relates to Health* is a product of MEDLARS (Medical Literature Analysis and Retrieval System), the National Library of Medicine's computer-based citation retrieval system that is used to compile and produce its publications. *Index Medicus* encompasses the literature of biomedicine broadly; other bibliographies cover special subject areas.

This bibliography cites selected articles from about 2,250 biomedical journals. Each monthly issue includes references cited in the monthly *Index Medicus* for the corresponding month.

The citations in *Selected References* are arranged under subject headings which appear in alphabetical order. The subheadings are arranged alphabetically within each subject heading. Citations are listed alphabetically by the abbreviation of the journal title within subheadings.

Subject headings are index terms selected by trained indexers from NLM's controlled vocabulary, *Medical Subject Headings (MeSH)*,* as representing the content of the article. The indexer selects the most specific applicable subject headings. For example, a paper on dieldrin would appear under DIELDRIN, not under the broader INSECTICIDES. INSECTICIDES and other more general headings are used for general articles and for articles on those more specific concepts for which there are no individual headings in *MeSH*. If the desired references are not found under a specific term, the user should seek a more general term. (A convenient way to identify the appropriate general term is to browse in the categorized list in *MeSH*). If the user wishes to search exhaustively for all citations on a general subject, he should scan the citations under both the general heading and all the more specific *MeSH* headings. For example, for citations on insecticides, one might scan INSECTICIDES, and, additionally, BENZENE HEXACHLORIDE, CHLORDAN, DDT, DIELDRIN, PARATHION, PYRETHRUM, and ROTENONE.

* Medical Subject Headings, published as Part II of the January *Index Medicus;* (available separately from Superintendent of Documents).

Subheadings are used to indicate a particular aspect of the subject. Subheadings appear in small capital letters indented under the subject.

Each bibliographic citation contains the following elements in order: title of the article in English (brackets indicate translated title); author (senior author if more than one); journal title abbreviation; volume number; inclusive pagination; date of issue; and an abbreviation indicating the language of the article if other than English. Review articles list the number of references in parentheses before the language abbreviation.

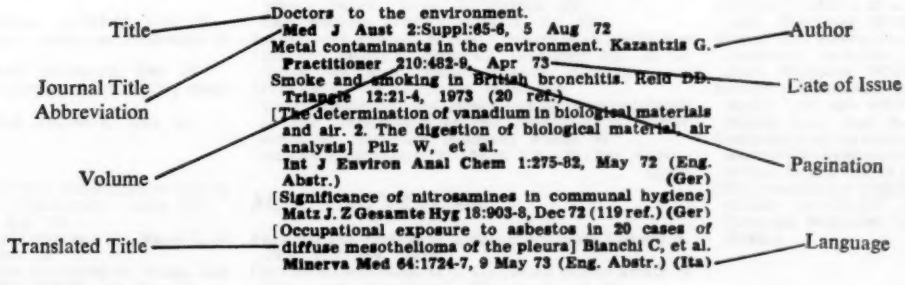
## FOREIGN LANGUAGE ABBREVIATIONS

| | | | |
|---|---|---|---|
| Afr | Afrikaans | Jap | Japanese |
| Alb | Albanian | Kor | Korean |
| Ara | Arabic | Lit | Lithuanian |
| Arm | Armenian | Mul | Multilingual |
| Aze | Azerbaijani | Nor | Norwegian |
| Bul | Bulgarian | Per | Persian (Modern) |
| Chi | Chinese | Pol | Polish |
| Cro | Croatian | Por | Portuguese |
| Cze | Czech | Pus | Pushto |
| Dan | Danish | Rum | Rumanian |
| Dut | Dutch | Rus | Russian |
| Fin | Finnish | Ser | Serbian |
| Fre | French | Slo | Slovak |
| Geo | Georgic | Slv | Slovene |
| Ger | German (Modern) | Spa | Spanish |
| Gre | Greek | Swe | Swedish |
| Heb | Hebrew | Tha | Thai |
| Hun | Hungarian | Tur | Turkish |
| Ice | Icelandic | Ukr | Ukrainian |
| Ind | Indonesian | Vie | Vietnamese |
| Ita | Italian | | |

Complete journal titles appear in the *List of Journals Indexed in Index Medicus,* which is included in the January issue of *Index Medicus* and is also available separately from the Government Printing Office.

## TYPICAL CITATIONS

### ENVIRONMENTAL POLLUTION



# SUBJECT SECTION

## ABNORMALITIES

Deformity is a disease. (Ivy RH), Edgerton MT. Trans Stud Coll Physicians Phila 41:124-30, Oct 73

ETIOLOGY

Meromelia and other developmental abnormalities in experimental oligohydramnios. Persaud TV. Anat Anz 133:499-502, 1973
Embryo transfer and sensitivity to teratogenesis. Austin CR. Nature 244:333-4, 10 Aug 73

PHYSIOPATHOLOGY

Prenatal development of malformed fetuses at 28-42 weeks of gestational age (anencephalus, hydrocephalus, Down's syndrome, cleft lip and palate, and hypospadias). Kučera J, et al. Biol Neonate 22:319-24, 1973

SURGERY

Moral and ethical dilemmas in the special-care nursery. Duff RS, et al. N Engl J Med 289:890-4, 25 Oct 73

THERAPY

Letter: prenatal treatment of hereditary diseases? Valenti C. Lancet 2:797-8, 6 Oct 73

VETERINARY

Bilateral anomaly of a ventral cervical muscle of a goat. Tanudimadja K. Anat Anz 133:450-3, 1973
Effects of swine husbandry on the incidence of congenital malformations: a matched-paired study. Selby LA, et al. Environ Res 6:77-83, Mar 73

## ABNORMALITIES, DRUG-INDUCED

Vitamin A-induced anomalies in young rat embryos. Geelen JA. Acta Morphol Neerl Scand 11:233-40, Oct 73
Teratogenicity and neonatal toxicity of ifosfamide in mice. Bus JS, et al. Proc Soc Exp Biol Med 143:965-70, Sep 73
Lithium ion in cleft palate teratogenesis in CD1 mice. Loevy HT, et al. Proc Soc Exp Biol Med 144:844-6, Nov 73

ETIOLOGY

The interaction of mercury with cadmium and zinc in mammalian embryonic development. Gale TF. Environ Res 6:95-105, Mar 73
Letter: Chelating agents and teratogenesis. Marsh L, et al. Lancet 2:846, 13 Oct 73
Editorial: Teratogenesis and antiepileptic drugs. Hill RM. N Engl J Med 289:1089-90, 15 Nov 73
Diphenylhydantoin and selected congenital malformations. Monson RR, et al. N Engl J Med 289:1049-52, 15 Nov 73
Further investigations into the teratogenic potential of imperfect potatoes. Poswillo DE, et al. Nature 244:367-8, 10 Aug 73
Strain differences in susceptibility to the teratogenic effect of acetazolamide in mice. Green MC, et al. Teratology 8:143-5, Oct 73
The effect of thalidomide intake during 113 human pregnancies. Kajii T, et al. Teratology 8:163-6, Oct 73
Teratogenic effects of carcinogen implantation in a regenerative field in Bufo arenarum tadpoles. Matos EL, et al. Teratology 8:167-73, Oct 73
The influence of single or fractionated doses of 5-fluoro-2'-deoxycytidine teratogenicity in mice. Sasaki H, et al. Teratology 8:191-4, Oct 73

PREVENTION & CONTROL

Protective effects of thymidine, 5-aminoimidazolecarboxamide, and riboflavin against fetal abnormalities produced in rats by 5-(3,3-dimethyl-1-triazeno)imidazole-4-carboxamide. Chaube S. Cancer Res 33:2231-40, Oct 73

RADIOGRAPHY

Some congenital abnormalities: possibly due to embryonic peripheral neuropathy. McCredie J, et al. Clin Radiol 24:204-11, Apr 73

SURGERY

Pollicization for congenital deformities of the hand. Harrison SH. Proc R Soc Med 66:634-7, Jul 73

## ACCIDENT PREVENTION

Safety in the use of monitoring equipment. Meyer JA. Clin Anesth 9:47-68, 1973 (15 ref.)
A simple system to block toddlers form reaching toxic ingestibles: add a spring and two latches to all doors where danger lurks. Lillibridge CB. Clin Pediatr (Phila) 12:441-4, Jul 73
An exploratory study of safety factors in an institution for the mentally retarded. Overbeck DB, et al. Train Sch Bull (Vinel) 70:88-92, Aug 73
[Prevention of accidents from the traffic-medicopsychological viewpoint with reference to the traffic-psychological problems of traffic accidents involving children] Fehse U. Dtsch Gesundheitsw 28:1146-50, 2 Jun 73 (Eng. Abstr.) (Ger)

## ACOUSTIC TRAUMA

Personal observation of cochlear traumas. Ledoux A. ORL 35:189-94, 1973
[Histochemical changes in the cortex due to action of noise and vibrations] Nikolov T, et al. J Fr Otorhinolaryngol 22:409-11, May 73 (Fre)

OCCURRENCE

Epidemiology of professional noise-induced hearing loss. Ewertsen HW. Audiology 12:453-8, Sep-Dec 73

PREVENTION & CONTROL

[An effective means of protection of the auditory function from noises] Tričković KS. Lav Um 25:51-5, Mar 73 (Ita)

## ADAPTATION, PSYCHOLOGICAL

Human responses to highway noise. Ward LM, et al. Environ Res 6:306-26, Sep 73
Psychological problems of abortion for the unwed teenage girl. Martin CD. Genet Psychol Monogr 88:23-110, Aug 73
Human factors in prosthodontic treatment. Koper A. J Prosthet Dent 30:678-9, Oct 73
A comparison of the psychological adjustment of obese vs. non-obese children. Sallade J. J Psychosom Res 17:89-96, Mar 73

## AGRICULTURAL WORKERS' DISEASES

OCCURRENCE

[On allergic pneumopathies in rural environments] Pavesi F, et al. Lav Um 25:113-34, Jul 73 (Eng. Abstr.) (Ita)

PATHOLOGY

[Anatomo-clinical and experimental study of paraquat poisoning. Ultrastructural lesions] Gaultier M, et al. Sem Hop Paris 49:1972-87, 8 Jun 73 (Eng. Abstr.) (Fre)

## AIR MICROBIOLOGY

Airborne stability of simian virus 40. Akers TG, et al. Appl Microbiol 26:146-8, Aug 73
Mass airflow cabinet for control of airborne infection of laboratory rodents. McGarrity GJ, et al. Appl Microbiol 26:167-72, Aug 73
Emission of microbial aerosols from sewage treatment plants that use trickling filters. Goff GD, et al. Health Serv Rep 88:646-52, Aug-Sep 73
Comparison of the aerosol stabilities of foot-and-mouth disease virus suspended in cell culture fluid or natural fluids. Barlow DF, et al. J Gen Virol 20:311-8, Sep 73
[The spreading of organisms in aseptic departments by rubber overshoes] Wewalka G, et al. Zentralbl Bakteriol [Orig B] 157:23-7, Apr 73 (Eng. Abstr.) (Ger)

## ALKYLATING AGENTS

### PHARMACODYNAMICS

Teratogenicity and neonatal toxicity of ifosfamide in mice. Bus JS, et al.
**Proc Soc Exp Biol Med 143:965-70, Sep 73**

### TOXICITY

Carcinogenicity of phenols, alkylating agents, urethan, and a cigarette-smoke fraction in Nicotiana seedlings. Andersen RA. **Cancer Res 33:2450-5, Oct 73**

## ALLERGENS

Maximal expiratory flow and airway resistance during induced bronchoconstriction in patients with asthma due to Western red cedar (Thuja plicata). Chan-Yeung M. **Am Rev Respir Dis 108:1103-10, Nov 73**
Occupational asthma and rhinitis due to Western red cedar (Thuja plicata). Chan-Yeung M, et al.
**Am Rev Respir Dis 108:1094-102, Nov 73**

### ANALYSIS

The allergens of cat epithelia and cat serum. Comparative studies based on the radioallergosorbent technique (RAST). Brandt R, et al.
**Int Arch Allergy Appl Immunol 45:447-55, 1973**

### DIAGNOSTIC USE

Anthrax. Biological and immunological principles of diagnosis and prevention. Communication 7. Diagnosis of anthrax by means of anthraxin. Shlyakhov EN, et al.
**J Hyg Epidemiol Microbiol Immunol (Praha) 17:279-84, Mar 73**

### ISOLATION & PURIFICATION

Allergens from short ragweed leaf tissue cultures. Shafiee A, et al. **In Vitro 9:19-23, Jul-Aug 73**
Allergens of mammalian origin: characterization of allergen extracted from cat pelts. Ohman JL, et al.
**J Allergy Clin Immunol 52:231-41, Oct 73**

### METABOLISM

Enzymatic hydrolysis of allergens and assessment of the remaining allergenic activities by the paper disc radioallergosorbent method. Ceska M, et al.
**Int Arch Allergy Appl Immunol 45:417-28, 1973**

## ALTITUDE

Relationship between organ weight and blood flow in rats adapted to simulated high altitude. Tucker A, et al. **Aerosp Med 44:1036-9, Sep 73**
Oxygen kinetics for constant work loads at various altitudes. Bason R, et al.
**J Appl Physiol 35:497-500, Oct 73**
Cardiopulmonary responses of male and female swine to simulated high altitude. McMurtry IF, et al.
**J Appl Physiol 35:459-62, Oct 73**
Regression of altitude-produced cardiac hypertrophy. Sizemore DA, et al. **J Appl Physiol 35:518-21, Oct 73**
The role of DL-dihydroxy phenyl alanine (DOPA) on plasma transaminase level under altitude stress. Chatterjee AK, et al.
**Jap J Pharmacol 23:269-71, Apr 73**
Monitoring Army radio-communications networks at high altitude. Cahoon RL.
**Percept Mot Skills 37:471-6, Oct 73**
[Effect of graded adaptation to high altitude on the blood respiratory function and acid-base equilibrium of test subjects under various motor activity regimes] Korol'kov VI, et al.
**Kosm Biol Med 7:40-3, May-Jun 73 (Eng. Abstr.) (Rus)**

## ANIMAL FEED

Nephro- and hepatotoxicity for mice and chicks in Penicillium piceum contaminated food. Parthasarathy VV, et al. **Experientia 29:1099-100, 15 Sep 73**
Legal responsibilities in prescribing feed additives and drugs. **J Am Vet Med Assoc 163:434-5, 1 Sep 73**
Selenium requirements in corn-soy diets for growing-finishing swine. Groce AW, et al.
**J Anim Sci 37:948-56, Oct 73**
Postruminal supplemental methionine infusion to sheep fed high quality diets. Schelling GT, et al.
**J Anim Sci 37:1034-9, Oct 73**
The role of dry foods in maintaining healthy teeth and gums in the cat. Studer E, et al.
**Vet Med Small Anim Clin 68:1124-6, Oct 73**
[Oral iron substitution in the suckling piglet] Schmitz H, et al.
**Schweiz Arch Tierheilkd 115:391-9, Sep 73 (Eng. Abstr.) (Ger)**
[Effect of Fe-, Co- or Ni-additives in zinc deficiency] Kirchgessner M, et al.
**Z Tierphysiol 31:268-74, Jul 73 (Eng. Abstr.) (Ger)**
[Preservation of carotin in silage with feed molasses] Buz'ko AO, et al. **Veterinariia 9:37-9, Sep 72 (Rus)**
[Combined fodder enriched with hygrovetin in swine helminthiases] Vinnichek AN.
**Veterinariia 9:71-2, Sep 72 (Rus)**

### ANALYSIS

Production of penicillic acid and ochratoxin A on poultry feed by Aspergillus ochraceus: temperature and moisture requirements. Bacon CW, et al.
**Appl Microbiol 26:155-60, Aug 73**
Structural determination of two basal metabolic rate-stimulating flavones from grass silage. Stelzig DA, et al. **J Agric Food Chem 21:883-5, Sep-Oct 73**

## ASBESTOSIS

### OCCURRENCE

[Risk of asbestosis in workers employed in replacing automobile brake linings] Boillat MA, et al.
**Schweiz Med Wochenschr 103:1354-9, 29 Sep 73 (Fre)**

## ATMOSPHERIC PRESSURE

Effect of hyperbaric air on short-term and long-term memory. Fowler B. **Aerosp Med 44:1017-22, Sep 73**
Prolonged survival breathing oxygen at ambient pressure. Brashear RE, et al.
**Am Rev Respir Dis 108:701-4, Sep 73**
Sex ratio in rabbits from semen subjected to altered atmospheric pressure. Kiddy CA, et al.
**J Anim Sci 37:763-9, Sep 73**
Ventilatory responses to hypercapnia and hypoxia at 1 and 4 ATA. Doell D, et al.
**Respir Physiol 18:338-46, Sep 73**
[Effect of pressure and temperature of room air in determining the heating capacity of space heaters] Bach H. **Gesund Ing 94:236-41, Aug 73 (Ger)**

## AUDIOMETRY

Response of the diabetic to Bekesy audiometry. Roach RE. **Arch Otolaryngol 98:349-53, Nov 73**
The objective of verbal discrimination ability further investigations. Brix R, et al.
**Audiology 12:481-7, Sep-Dec 73**
Classes of auditory evoked responses. Davis H.
**Audiology 12:464-9, Sep-Dec 73**
Diagnostic significance of the electrocochleogram in clinical audiometry. Yoshie N.
**Audiology 12:504-39, Sep-Dec 73**
Pure tone audiometry and whispered voice test. Conformities and differences in tests results. Groen JJ. **ORL 35:65-70, 1973**
[Contribution of impedance measurement to the study of supraliminal audiometry] Gersdorff M, et al.
**Acta Otorhinolaryngol Belg 27:507-21, 1973 (Eng. Abstr.) (Fre)**
[Investigations on the intelligibleness of a new record of the German Freiburg speech discrimination test] Plath P, et al.
**Z Laryngol Rhinol Otol 52:457-69, Jun 73 (Eng. Abstr.) (Ger)**
[Experimental substantiation of the optimal method of scaling the duration of acoustic stimuli] Medvedev VI, et al.
**Fiziol Zh SSSR 59:898-903, Jun 73 (Eng. Abstr.) (Rus)**

### CLASSIFICATION

The classification of audiograms in otosclerosis. Preliminary report. Marres EH, et al.
**ORL 35:205-9, 1973**

### VETERINARY

Measurement of hearing in dogs by respiration audiometry. Bradford LJ, et al.
**Am J Vet Res 34:1183-7, Sep 73**

## AUTOMOBILE DRIVER EXAMINATION

Pre-sentence investigation of drunken drivers. A follow-up study. Ben-Arie O.
**S Afr Med J 47:1666-8, 15 Sep 73**

## AUTOMOBILE DRIVING

The effects of restricted preview on driver steering control and performance. McLean JR, et al.
**Hum Factors 15:421-30, Aug 73**
Characteristics of convicted drunken drivers. Yoder RD, et al. **Q J Stud Alcohol 34:927-36, Sep 73**
[Experiences with corneal contact lenses in automobile traffic] Spiecker HD.
**Ber Dtsch Ophthalmol Ges 71:498-502, 1972 (Ger)**
[Aspects of suicide in automobile drivers] Damian N, et al.
**Neurol Psihiatr Neurochir 18:263-8, May-Jun 73 (Eng. Abstr.) (Rum)**

## AUTOMOBILES

Human responses to highway noise. Ward LM, et al.
**Environ Res 6:306-26, Sep 73**
The influence of the automobile on rural health care, 1900-29. Berger ML. **J Hist Med 28:319-35, Oct 73**
[Risk of asbestosis in workers employed in replacing automobile brake linings] Boillat MA, et al.
**Schweiz Med Wochenschr 103:1354-9, 29 Sep 73 (Fre)**

### STANDARDS

Reducing air pollution by automobile inspection and maintenance: a program analysis. Schwartz SI.
**J Air Pollut Control Assoc 23:845-52, Oct 73**

## AVIATION MEDICINE

Perspectives in aerospace medicine. Barron CI.
**Aerosp Med 44:1055-8, Sep 73**
Studies of pilot performance. 3. Validation of objective performance measures for rotary-wing aircraft. Billings CE, et al. **Aerosp Med 44:1026-30, Sep 73**
Stress and strain in student helicopter pilots. Billings CE, et al. **Aerosp Med 44:1031-5, Sep 73**
Physiologic cost of prolonged double-crew flights in C-5 aircraft. Hale HB, et al. **Aerosp Med 44:999-1008, Sep 73**
Interactive effects of intense noise and low-level vibration on tracking performance and response time. Harris CS, et al. **Aerosp Med 44:1013-6, Sep 73**
Monocular pilots--a followup study. Mayer HB, et al.
**Aerosp Med 44:1070-4, Sep 73**
Ophthalmodynamography in pilots to test internal carotid insufficiency: comparison of blood-pressure responses. Mitti RN, et al.
**Aerosp Med 44:1067-9, Sep 73**
Functional aging: present status of assessments regarding airline pilot retirement. Mohler SR.
**Aerosp Med 44:1062-6, Sep 73**
Physiological and operational state of a group of aeroplane pilots under the conditions of stressing tracking tests. Strasser H, et al.
**Aerosp Med 44:1040-7, Sep 73**
Determination of revised Air Force permissible exposure levels for laser radiation. Dunsky IL, et al.
**Am Ind Hyg Assoc J 34:235-40, Jun 73**
Letter: Medical certificates for airmen. Raymond SW.
**JAMA 226:467-8, 22 Oct 73**
Monitoring Army radio-communications networks at high altitude. Cahoon RL.
**Percept Mot Skills 37:471-6, Oct 73**
[Hyperlipemia in flying personnel (civil aviation)] Anet P, et al.
**Acta Cardiol (Brux) Suppl 15:75-85, 1972 (Eng. Abstr.) (Fre)**
[Efficiency and adaptation under conditions of modern high-altitude and cosmic flights] Barański S.
**Acta Physiol Pol [Suppl] 24:723-33, 1973 (Pol)**
[Informative parameters of the psychophysiological state of flight personnel working with display equipment] Ioseliani KK, et al.
**Kosm Biol Med 7:62-8, May-Jun 73 (Eng. Abstr.) (Rus)**
[Use of an aerovitan preparation in the sanatorium-health resort therapy of disordered lipid metabolism] Ovsiannikov IF, et al.
**Vopr Kurortol Fizioter Lech Fiz Kult 37:466-8, Sep-Oct 72 (Rus)**

## BERYLLIUM

### POISONING

Progress report. U.S. Beryllium Case Registry, 1972. Hasan FM, et al. **Am Rev Respir Dis 108:1252-3, Nov 73**
Comparative changes in serum enzyme levels in beryllium- or carbon tetrachloride-induced liver necrosis. Clary JJ, et al.
**Proc Soc Exp Biol Med 143:1207-10, Sep 73**

## BIOMEDICAL ENGINEERING

Biomedical engineering--the beauty and the beast. Ray CD. **Naturwissenschaften 60:375-81, Aug 73**

### EDUCATION

[The bioengineer] Habermehl A.
**Munch Med Wochenschr 115:1409-12, 10 Aug 73 (Ger)**

### STANDARDS

Keynote address: all the people or all the patients? Cooper T. **Med Instrum 7:214-6, May-Aug 73**
Outline of procedures for processing American national standards. Gutmann FT.
**Med Instrum 7:212-13, May-Aug 73**
Message from the President: The cost of medical device standards. Malette WG.
**Med Instrum 7:298, May-Aug 73**
Guest editorial: The fourth Arthur C. Beall, Jr. :.D. Commemorative Lecture. Schweiker RS.
**Med Instrum 7:217-9, May-Aug 73**
Questions and answers about AAMI's standards program. **Med Instrum 7:209-11, May-Aug 73**

[Legal requirements for registration of biomedical devices (author's transl)] Schultz C.
Biomed Tech (Stuttg) 18:154-6, Aug 73 (Eng. Abstr.) (Ger)

## BIRTH RATE

A study of 2,245 women attending a hospital family planning clinic in Melbourne and the effect of the clinic on the hospital birth rate. Leeton J, et al.
Med J Aust 2:67-70, 14 Jul 73
Fertility measures based on birth interval data. Poole WK. Theor Popul Biol 4:357-87, Sep 73
[Dependence of the level of the birth rate on certain socioeconomic factors and the state of health of married couples] Chernetskii OE.
Zdravookhr Ross Fed 17:11-4, Jun 73 (Rus)

## CARBON MONOXIDE

The catalytic reduction of nitric oxide in automobile exhaust gases--II. The kinetics of the reactions of carbon monoxide with nitric oxide and/or oxygen on an oxidized stainless-steel surface. Jenkins DR, et al.
Atmos Environ 7:187-99, Feb 73
CO-binding pigments and the functional terminal oxidase of the trypanosomatid hemoflagellate Crithidia fasciculata. Kusel JP, et al.
Biochim Biophys Acta 314:164-77, 31 Aug 73

### ANALYSIS

A carbon monoxide-oxygen sampler for evaluation of fire fighter exposures. Sidor R, et al.
Am Ind Hyg Assoc J 34:264-74, Jun 73
Collaborative testing of methods to measure air pollutants. II. The non-dispersive infrared method for carbon monoxide. McKee HC, et al.
J Air Pollut Control Assoc 23:870-5, Oct 73
Letter: Carbon-monoxide yield of cigarettes. Russell MA, et al. Lancet 2:973-4, 27 Oct 73
Letter: Smoking tables for carbon monoxide? Wald N, et al. Lancet 2:907-8, 20 Oct 73

### BIOSYNTHESIS

Carbon monoxide production from hydroxocobalamin by bacteria. Engel RR, et al.
Biochim Biophys Acta 313:150-5, 20 Jun 73
Effect of low caloric diet on endogenous carbon monoxide production: normal adults and Gilbert's syndrome. Bensinger TA, et al.
Proc Soc Exp Biol Med 144:417-9, Nov 73

### BLOOD

Carboxyhemoglobin exchange between donors and recipients of blood transfusions. Kandall SR, et al.
Pediatrics 52:716-8, Nov 73

### METABOLISM

Letter: carbon monoxide and smoking. Cole P.
Lancet 2:795, 6 Oct 73

## CARBON MONOXIDE POISONING

### BLOOD

[Modification of the carbonyl-hemoglobin blood levels in carbon monoxide poisoning] Tesař J, et al.
Cesk Patol 9:33-7, Aug 73 (Eng. Abstr.) (Cze)

### METABOLISM

Oxygenation during inhibition of drug metabolism by carbon monoxide or hypoxic hypoxia. Montgomery MR, et al. J Appl Physiol 35:505-9, Oct 73

## CARCINOGENS

The combined effect of radiation and chemical carcinogens in female A X IF mice. Flaks A, et al.
Br J Cancer 28:227-31, Sep 73
Carcinogen hazard in the synthesis of substrates. Tsou KC. J Histochem Cytochem 21:836, Sep 73
Effect of streptozotocin in the Chinese hamster (Cricetulus griseus). Berman LD, et al.
J Natl Cancer Inst 51:1287-94, Oct 73
Production of urinary bladder carcinomas in male hamsters by
N-(4-(5-nitro-2-furyl)-2-thiazolyl)formamide,
N-(4-(5-nitro-2-furyl)-2-thiazolyl)-acetamide, or formic acid
2-(4-(5-nitro-2-furyl)-2-thiazolyl)hydrazide. Croft WA, et al. J Natl Cancer Inst 51:941-9, Sep 73
Transformation of cell cultures as an indication of the carcinogenic potential of chemicals. Freeman AE, et al. J Natl Cancer Inst 51:799-808, Sep 73
Comparative studies with different doses of N-nitrosomorpholine, N-nitrosopiperidine, N-nitrosomethylurea, and dimethylnitrosamine in Syrian golden hamsters. Haas H, et al.
J Natl Cancer Inst 51:1295-301, Oct 73
Histologic and ultrastructural studies on the hepatocarcinogenicity of benzene hexachloride in mice. Ito N, et al. J Natl Cancer Inst 51:817-26, Sep 73
Tumors in CF-1 mice exposed for six consecutive generations to DDT. Turusov VS, et al.
J Natl Cancer Inst 51:963-97, Sep 73
Pathology of intestinal neoplasms and other lesions in rats exposed to azoxymethane. Ward JM, et al.
J Natl Cancer Inst 51:1029-39, Sep 73
Brief communication: Pathologic effects in rats surviving prenatal and neonatal administration of 1,3-bis(2-chloroethyl)-1-nitrosourea. Weiss E de C, et al. J Natl Cancer Inst 51:1363-6, Oct 73
In vivo transplantability of urinary bladder epithelia from rats ingesting
N-(4-(5-nitro-2-furyl)-2-thiazolyl)formamide.
Yalciner S, et al. J Natl Cancer Inst 51:1177-85, Oct 73
Carcinogenicity of proposed cancer chemotherapeutic agents with stilbene-aryinitrosamine structures. Yamamoto RS, et al.
J Natl Cancer Inst 51:1313-5, Oct 73
An investigation into the carcinogenicity of monocrotaline pyrrole. Hooson J, et al.
J Pathol 110:p8-9, Jul 73
Impurities in saccharin and bladder cancer. Hicks RM, et al. Nature 243:424, 15 Jun 73
Letter: Co-carcinogenic action of saccharin in the chemical induction of bladder cancer. Hicks RM, et al.
Nature 243:347-9, 8 Jun 73
Rapid viral induction of plasmacytomas in pristane-primed BALB-c mice. Potter M, et al.
Science 182:592-4, 9 Nov 73
Studies of the tumorigenic effect in feeding of nitrosamino acids and of low doses of amines and nitrite to rats. Garcia H, et al.
Z Krebsforsch 79:141-4, 7 May 73
Carcinogen-induced skin tumorigenesis in mice: enhancement and inhibition by ultraviolet light. Stenbäck F, et al. Z Krebsforsch 79:234-40, 19 Jun 73
[Tumorinduction in mice with methylbenzylnitrosamine in low doses] Sander J, et al.
Z Krebsforsch 79:157-61, 7 May 73 (Eng. Abstr.) (Ger)
[Interaction between lysosomes and cell nucleus during diethylnitrosamine-induced carcinogenesis. I. Changes in subcellular distribution of the lysosomal enzymes acid deoxyribonuclease and beta-galactosidase during acute intoxication by diethylnitrosamine] Schulze B.
Z Krebsforsch 79:241-8, 19 Jun 73 (Eng. Abstr.) (Ger)

### CHEMICAL SYNTHESIS

Potentially carcinogenic cyclopenta(a)phenanthrenes. VI. 1,2,3,4-Tetrahydro-17-ketones. Coombs MM, et al.
J Chem Soc [Perkin I] 12:1251-4, 1973
Potentially carcinogenic cyclopenta(a)phenanthrenes. VII. Ring-D diols and related compounds. Coombs MM, et al. J Chem Soc [Perkin I] 12:1255-8, 1973

### METABOLISM

Editorial: Carcinogen metabolism and human cancer. Conney AH. N Engl J Med 289:971-3, 1 Nov 73

### PHARMACODYNAMICS

Short communication. Carcinogenicity of cholesterol inhibited by phospholipids. Altman RF.
Arch Geschwulstforsch 41:107-9, 1973
The adenyl cyclase system and carcinogenesis: decreased responsiveness of mouse epidermis to isoproterenol after 3,4-benzpyrene treatment. Murray AW, et al.
Biochem Biophys Res Commun 54:69-75, 5 Sep 73
The long-term influence of sterigmatocystin on mouse and rat liver nuclear deoxyribonucleases. Kempff PG, et al. Biochem Pharmacol 22:2490-2, 1 Oct 73
Induction of mitotic crossing over in Saccharomyces cerevisiae by breakdown products of dimethylnitrosamine, diethylnitrosamine, 1-naphthylamine and 2-naphthylamine formed by an in vitro hydroxylation system. Mayer VW.
Genetics 74:433-42, Jul 73
Carcinogenic effect of di-n-propylnitrosamine in Syrian golden hamsters. Pour P, et al.
J Natl Cancer Inst 51:1019-27, Sep 73
Cerebellar development in the rat after early postnatal damage by methylazoxymethanol: DNA, RNA and protein during recovery. Chanda R, et al.
J Neurochem 21:547-55, Sep 73
[Cancerogenic effects of methyl- and ethyl-nitrosourea (MNU and ENU) at single intracerebral and intracarotidal injection in newborn and young BD-rats] Druckrey H, et al.
Z Krebsforsch 79:283-97, 19 Jun 73 (Eng. Abstr.) (Ger)

### POISONING

Pathological reactions in rat lungs following intratracheal injection of nickel subsulfide and 3,4-benzpyrene. Kasprzak KS, et al.
Res Commun Chem Pathol Pharmacol 6:237-45, Jul 73

### TOXICITY

Brief communication: Induction of tumors in rats by oral administration of technical acid violet 6B. Uematsu K, et al. J Natl Cancer Inst 51:1337-8, Oct 73
Teratogenic effects of carcinogen implantation in a regenerative field in Bufo arenarum tadpoles. Matos EL, et al. Teratology 8:167-73, Oct 73
An overview of transplacental chemical carcinogenesis. Rice JM. Teratology 8:113-25, Oct 73 (89 ref.)

## CARRIER STATE

Possible factors involving staphylococci colonization. Otero RB, et al. J Ky Med Assoc 71:590-3, Sep 73
Relation of hepatitis-B-antigen subtypes in symptom-free carriers to geographical origin and liver abnormalities. Feinman SV, et al.
Lancet 2:867-9, 20 Oct 73
Editorial: Deeper into hepatitis B.
Lancet 2:887-8, 20 Oct 73
[Clinico-immunological parallels in asymptomatic forms of dysentery taking its course under the appearance of a healthy bacteria-carrier state] Achilov U. Pediatriia 51:41-4, May 73 (Rus)

### DIAGNOSIS

Epidemiology of hepatitis B antigen in Panama. Peters CJ, et al. Am J Epidemiol 98:301-10, Oct 73
Serological responses of Salmonella dublin carrier cows. Richardson A. Br Vet J 129:liii-lv, Jul-Aug 73

### DRUG THERAPY

Meningococcal meningitis following rifampin prophylaxis. Khuri-Bulos N.
Am J Dis Child 126:689-91, Nov 73

### OCCURRENCE

Transmission of hepatitis and Australia antigenaemia within a liver unit. Williams R.
Proc R Soc Med 66:799, Aug 73

### VETERINARY

Horizontal transmission of feline leukaemia virus. Hardy WD Jr, et al. Nature 244:266-9, 3 Aug 73

## CHELATING AGENTS

### ADVERSE EFFECTS

Letter: Chelating agents and teratogenesis. Marsh L, et al. Lancet 2:846, 13 Oct 73

## CHILD ABUSE

Deliberate injury of children. Br Med J 4:61-2, 13 Oct 73
Non-accidental injury to children.
Br Med J 4:96-7, 13 Oct 73
The problem of child abuse: a community hospital approach. Chabon RS, et al.
Md State Med J 22:50-5, Oct 73
Letter: Battered children. Fontana VJ.
N Engl J Med 289:1044, 8 Nov 73
Attitudes of Nova Scotia physicians to child abuse. Anderson JP, et al. NS Med Bull 52:185-9, Oct 73

## CHILD CARE

Nutrition education-or education in child care? Greaves JP. Indian Pediatr 10:347-9, Jun 73
Assessing Seebohm and after. Tucker K.
Spec Educ 62:14-7, Sep 73
[Child care in the GDR] Schmidt-Kolmer E.
Dtsch Gesundheitsw 28:1128-30, 2 Jun 73 (Ger)

## CHILD WELFARE

The Child Welfare League of America, Inc.
Clin Pediatr (Phila) 12:454, Jul 73
[Child care in the GDR] Schmidt-Kolmer E.
Dtsch Gesundheitsw 28:1128-30, 2 Jun 73 (Ger)

### HISTORY

The concept of child advocacy. McDermott JF Jr, et al.
Am J Psychiatry 130:1203-6, Nov 73

### STANDARDS

Assessing Seebohm and after. Tucker K.
Spec Educ 62:14-7, Sep 73

## CIRCADIAN RHYTHM

Circadian rhythms in the flow rate and proportional contribution of parotid to whole saliva volume in man. Dawes C, et al. Arch Oral Biol 18:1145-53, Sep 73
Circadian rhythms in human parotid saliva flow rate and composition. Ferguson DB, et al.
Arch Oral Biol 18:1155-73, Sep 73

Longitudinal studies of diurnal variations in depression: a sample of 643 patient days. Stallone F, et al. Br J Psychiatry 123:311-8, Sep 73
Toward a chronotherapy of neoplasia: tolerance of treatment depends upon host rhythms. Halberg F, et al. Experientia 29:909-34, 15 Aug 73 (84 ref.)
The effects of shift work on worker health. Taylor PJ. Ind Med Surg 42:13-9, Sep 73
The diurnal curve in man: new observations. Henkind P, et al. Invest Ophthalmol 12:705-7, Sep 73
Circadian rhythm in the urinary excretion of cyclic 3',5'-adenosine monophosphate in man. Sagel J, et al. J Clin Endocrinol Metab 37:570-3, Oct 73
Diurnal mitotic studies of psoriatic epidermis. Milstein HG, et al. J Invest Dermatol 61:180-2, Sep 73
Letter: Diurnal temperature and manic depression. Tupin JP. Lancet 2:843, 13 Oct 73
Methadone induced mortality as a function of the circadian cycle. Lenox RH, et al. Nature 244:101-2, 13 Jul 73
The function of creatinine. II. Nocturnal-diurnal variation. Lis AW, et al. Physiol Chem Phys 4:70-4, 1972
Periodicity of susceptibility to pneumococcal infection: influence of light and adrenocortical secretions. Shackelford PG, et al. Science 182:285-7, 19 Oct 73
[Clinical importance of the circadian rhythm of some physiological functions of child's body] Tabolin VA, et al. Cesk Pediatr 28:396-8, Aug 73 (Cze)
[Analysis of case records with reference to short-lasting deteriorations and circadian variability symptoms in multiple sclerosis] Cendrowski W. Neurol Neurochir Pol 7:223-8, Jul-Aug 73 (Eng. Abstr.) (Pol)
[Study of the possibility of human adaptation to a 16-hour day] Stepanova SI. Kosm Biol Med 7:68-75, May-Jun 73 (Eng. Abstr.) (Rus)

## CLIMATE

Climate therapy for Swedish psoriatics on Hvar, Yugoslavia. Molin L. Acta Derm Venereol (Stockh) 52:155-60, 1972

## CLOTHING

Girth reduction: inefficacy of inflatable shorts. Roberts CD, et al. Arch Phys Med Rehabil 54:489-91, Oct 73
The military anti-shock trouser in civilian pre-hospital emergency care. Kaplan BC, et al. J Trauma 13:843-8, Oct 73

## COAL MINING

Rapid new soft x-ray technique for determination of quartz in coal mine dusts. Hurley RG, et al. Am Ind Hyg Assoc J 34:229-34, Jun 73
Rheumatoid pneumoconiosis. Documentation of onset and pathogenic considerations. Benedek TG. Am J Med 55:515-24, Oct 73 (55 ref.)
Prevalence of bronchitis and airway obstruction in American bituminous coal miners. Kibelstis JA, et al. Am Rev Respir Dis 108:886-93, Oct 73
On the diagnosis of coalworker's pneumoconiosis. Anglo-American disharmony. Reger RB, et al. Am Rev Respir Dis 108:1186-91, Nov 73
The radiographic categorization of coal workers' pneumoconiosis by lay readers. Peters WL, et al. Environ Res 6:80-7, Mar 73
A flaying type of injury to the anterior abdominal wall. Kumar AV. Injury 5:63-4, Aug 73
[Organization of physiotherapeutic service in coal mines and its role in lowering morbidity among miners] Tkachuk AI. Vopr Kurortol Fizioter Lech Fiz Kult 37:458-62, Sep-Oct 72 (Rus)

## COLD

Effects of cold exposure on growing pigs: growth, body composition and 17-ketosteroids. Hacker RR, et al. J Anim Sci 37:739-44, Sep 73
Energy balance and change in body weight and body water in man during a 2-day cold exposure. Wennberg LA, et al. J Appl Physiol 35:477-9, Oct 73
The effect of cold on nerve conduction of human slow and fast nerve fibers. De Jesus PV, et al. Neurology (Minneap) 23:1182-9, Nov 73
Effect of chronic crowding and cold on the pituitary-adrenal system: responsiveness to an acute stimulus during chronic stress. Daniels-Severs A, et al. Pharmacology 9:348-56, 1973

## COMMUNITY HEALTH SERVICES

The neighborhood health center foundation for health care: a portend for the future or a necessity for survival? Chapman LS. Am J Public Health 63:841-5, Oct 73
Podiatry and public health: a 7-year experience in the District of Columbia. Shapiro J. Am J Public Health 63:853-6, Oct 73
Study on Saskatchewana community clinics suggests total health expenditure not less. Report's data and interpretation suspect. Baltzan MA. Can Med Assoc J 109:653-4, 6 Oct 73
Saskatchewan global budget concept acceptable, Smishek claims. But support looks thin. Korcok M. Can Med Assoc J 109:535-6 passim, 15 Sep 73
Study on Saskatchewan community clinics suggests total health expenditure not less. Korcok M. Can Med Assoc J 109:648 passim, 6 Oct 73
Letters. Saskatchewan global budget, community clinics: comments from our readers. Can Med Assoc J 109:791 passim, 20 Oct 73
Study on Saskatchewan community clinics suggests total health expenditure not less. Report fails to deal with incentive issue for clinics physicians. Can Med Assoc J 109:656, 6 Oct 73
A community program for education, testing and counseling for abnormal hemoglobins. Zelson JH, et al. Conn Med 37:435-9, Sep 73
Procurement of teaching patients: cooperative effort between social service agencies and dental school. Horton PS, et al. J Dent Educ 37:41-3, Nov 73
Management control systems in health care. Herzlinger RE, et al. Med Care 11:416-29, Sep-Oct 73
Letter: Users and nonusers of hospitals. Moore GT. Pediatrics 52:754-5, Nov 73
[Therapeutic possibilities in younger drug consumers at the educational information center of a small town] Kleesmann E. Prax Kinderpsychol Kinderpsychiatr 22:235-30, Aug-Sep 73 (Ger)
[Various scientific aspects of modern proctology] Iukhvidova ZhM. Sov Med 35:57-62, Nov 72 (Eng. Abstr.) (Rus)

### HISTORY

[History of the development of traumatological, orthopedic and prosthetic aid to the population of the Uzbek SSR] Shamatov NM, et al. Ortop Travmatol Protez 33:11-5, Dec 72 (Eng. Abstr.) (Rus)

### MANPOWER

The community physician. J Ir Med Assoc 66:519, 29 Sep 73
Stability of physician employment in neighborhood health centers. Tilson HH. Med Care 11:384-400, Sep-Oct 73

### STANDARDS

[Some problems of work responsibilities of district physicians] Jirouš J. Cesk Zdrav 21:385-9, Sep 73 (Eng. Abstr.) (Cze)

### UTILIZATION

Associations among distance, patient satisfaction, and utilization of two types of inner-city clinics. Brooks CH. Med Care 11:373-83, Sep-Oct 73

## COMMUNITY MENTAL HEALTH SERVICES

Neighborhood Extension of Activity Therapy. Kolodner EL. Am J Occup Ther 27:381-3, Oct 73
Psychiatric disorders in a community mental health center. I. Demography and diagnoses. Tuason VB, et al. Compr Psychiatry 14:457-63, Sep-Oct 73
Psychotherapy as bio-psycho-social diagnosis and community treatment in Kentucky. Parks JH. J Ky Med Assoc 71:662-6, Oct 73
The active role of schools in mental health as seen in retrospect and prospect. Sellery CM. J Sch Health 43:455-7, Sep 73
Letter: To be or not to be. David NF. JAMA 226:468, 22 Oct 73
Admission patterns, functions, and problems of a large urban screening clinic for the mentally retarded. Stimson CW, et al. Psychiatr Q 47:37-55, 1973

### UTILIZATION

Use of mental health services by poverty and nonpoverty members of a prepaid group practice plan. Weiss J, et al. Health Serv Rep 88:653-62, Aug-Sep 73

## COMPREHENSIVE HEALTH CARE

The development of a comprehensive treatment programme. Experiences from the after-care service of a mental hospital. Ytrehus A. Acta Psychiatr Scand [Suppl] 1-60, 1973
The problem-oriented medical record: an ideal system for pharmacist involvement in comprehensive patient care. Borgsdorf LR, et al. Am J Hosp Pharm 30:904-7, Oct 73
Continuity of care. Unit provides nonacute care. Sutton FC, et al. Hospitals 47:46-9, 1 Oct 73
At the foot of South Mountain. A 5-year longitudinal study of foot problems and screening in an elderly population. Helfand AE. J Am Podiatry Assoc 63:513-21, Oct 73
The computer in family practice. Morrison CC, et al. J Maine Med Assoc 64:226-30, Oct 73
The family doctor 1960 to 2000 A.D. Wolfe S, et al. Med Care 11:363-72, Sep-Oct 73
Teaching of community medicine in the United States: an outsider's view. Vuori H. Milbank Mem Fund Q 51:253-69, Spring 73
Societal constraints to comprehensive health care. Gorman ML. Nurs Forum 12:175-86, 1973

## COMPREHENSIVE HEALTH PLANNING

Emergency medical care as a comprehensive system. Hanlon JJ. Health Serv Rep 88:579-87, Aug-Sep 73

## COOKERY

A "cooking street"--is it a possible food preparation system? Ronan B. J Am Diet Assoc 63:417-8, Oct 73
New equipment and systems in mass feeding. Sell W. J Am Diet Assoc 63:413-6, Oct 73
Central commissaries: three examples of an evolving food service concept. J Am Diet Assoc 63:423-6, Oct 73
Safety of nuts heat-processed in molten hexitols. Alfin-Slater RB, et al. J Am Oil Chem Soc 50:348-52, Sep 73
Analytical critique of hexitols used as a cooking medium. Waltking AE, et al. J Am Oil Chem Soc 50:353-6, Sep 73

## COOKING AND EATING UTENSILS

A "cooking street"--is it a possible food preparation system? Ronan B. J Am Diet Assoc 63:417-8, Oct 73
New equipment and systems in mass feeding. Sell W. J Am Diet Assoc 63:413-6, Oct 73

## CROWDING

Effects of isolation and grouping on guinea pigs. Hull EM, et al. Behav Biol 9:493-7, Oct 73
Crowding and isolation: determinants of agonistic and food-seeking behavior in Norway rats. Conner HS, et al. J Comp Physiol Psychol 84:563-7, Sep 73
Behavioral correlates of intermale aggression and grouping in mice. Svare BB, et al. J Comp Physiol Psychol 85:203-10, Oct 73
Deficits in learning tasks following chronic overcrowding in rats. Goeckner DJ, et al. J Pers Soc Psychol 28:256-61, Nov 73
Effect of chronic crowding and cold on the pituitary-adrenal system: responsiveness to an acute stimulus during chronic stress. Daniels-Severs A, et al. Pharmacology 9:348-56, 1973
Cardiomyopathy in crowded rabbits. A preliminary report. Weber HW, et al. S Afr Med J 47:1501-5, 8 Sep 73
Crowding among hunter-gatherers: the Kung Bushmen. Draper P. Science 182:301-3, 19 Oct 73

## CULTURAL DEPRIVATION

Echoic responses of standard English features by culturally deprived black and white children. Blue CM, et al. Percept Mot Skills 37:375-81, Oct 73
Disadvantage and nursery schooling. Chazan M. Spec Educ 62:19-23, Sep 73

## DDT

Tumors in CF-1 mice exposed for six consecutive generations to DDT. Turusov VS, et al. J Natl Cancer Inst 51:963-97, Sep 73

### ADMINISTRATION & DOSAGE

Pesticide residues in milk and in tissues following long, low 2,2-bis(p-chlorophenyl)-1,1,1-trichloroethane intake. Whiting FM, et al. J Dairy Sci 56:1234-8, Oct 73

### ANALYSIS

A gas chromatographic method of quantitating DDT in the presence of interfering polychlorinated biphenyl. Zelenski SG, et al. J Chromatogr 84:67-73, 12 Sep 73

### METABOLISM

Statistical approach to evaluating effect of physical and chemical factors on fecal excretion of chlorophenothane. Bishara RH, et al. J Pharm Sci 62:1429-4, Sep 73

### PHARMACODYNAMICS

The effect of p,p'-DDT (dicophane) and its metabolites on ATPase activity in rat liver mitochondria. Ryczkowski J, et al. Arch Toxikol 31:19-24, 30 Aug 73

#### POISONING

Long-term occupational exposure to DDT. Laws ER Jr, et al. Arch Environ Health 27:318-21, Nov 73

#### TOXICITY

[Toxic action of DDT on the chick and quail embryo livers. Ultrastructural study] David D.
Arch Anat Microsc Morphol Exp 62:1-13, Jan-Mar 73 (Eng. Abstr.) (Fre)

## DECONTAMINATION

[Study of the decontaminating properties of sorbents used in the life support system of space ships] Chizhov SV, et al.
Kosm Biol Med 7:80-3, May-Jun 73 (Eng. Abstr.) (Rus)

## DELIVERY OF HEALTH CARE

Changing human service delivery systems: their influences on psychiatric training. Daniels RS. Am J Psychiatry 130:1232-6, Nov 73
What is psychiatry? A new model of service and education. Guiora AZ, et al.
Am J Psychiatry 130:1275-7, Nov 73
Western Samoa: delivery of dental services in an emergent nation. Camrass R.
Br Dent J 135:337-40, 2 Oct 73
Letters. Saskatchewan global budget, community clinics: comments from our readers.
Can Med Assoc J 109:791 passim, 20 Oct 73
Modern implementation of Denmark's tradition of health care delivery. Johnson EF.
Health Serv Rep 88:624-30, Aug-Sep 73
Health care myths. Johnson RL.
Hosp Prog 54:55-8, Oct 73
The physician manpower question revisited. Kralewski JE, et al. Hospitals 47:53-5, 16 Oct 73
The agonies of medicine in the USA. Fry J.
Int J Health Serv 3:501-6, 1973
Resource allocation, equality of access, and health. Gish O. Int J Health Serv 3:399-412, 1973
Economic determinism: a model of the political economy of medical care. Helt EH.
Int J Health Serv 3:475-85, 1973
Political ideology and health care: hospital patterns in the Philippines and Cuba. Roemer MI.
Int J Health Serv 3:487-92, 1973
More money into the medical sector: is this the answer? Teeling-Smith G. Int J Health Serv 3:493-500, 1973
The physician and his relationship to society. Flocks RH. J Iowa Med Soc 63:468-70 passim, Oct 73
How do we measure up? Health costs. Steen LH. J Ky Med Assoc 71:597-9, Sep 73
Health care and the 106th Maine Legislature. Cragin CL 3d. J Maine Med Assoc 64:215-8, Sep 73
Alan Gregg memorial lecture. Physicians in a public enterprise. Evans JR. J Med Educ 48:975-86, Nov 73
No crystal stair. President's Inaugural Address. Rann EL. J Natl Med Assoc 65:436-7 passim, Sep 73
VA health care delivery: its relation to dentistry. Johnson DE. J Prosthet Dent 30:487-8, Oct 73
Management control systems in health care. Herzlinger RE, et al. Med Care 11:416-29, Sep-Oct 73
The social worker in a private medical practice. Report of a successful two-year experience. Baume P, et al. Med J Aust 2:188-91, 28 Jul 73
Proposed changes in the organization of health-care delivery: an overview and critique. Reinhardt UE. Milbank Mem Fund Q 51:169-222, Spring 73
Societal constraints to comprehensive health care. Gorman ML. Nurs Forum 12:175-86, 1973
Must 8 specialties equal 7 specialists + 1 traitor? Waldman HB. NY J Dent 43:315-7, Dec 73
Denturism--illegal dentistry. A report. Axelband AA. NY State Dent J 39:528-9, Nov 73
Dr. Wilde calls for one level of care for all. Wilde RC. Pa Med 76:25-6, Nov 73
Service and values. Hetznecker W, et al.
Psychiatry 36:311-24, Aug 73

## DEMOGRAPHY

Some early demographic maps. Jarcho S.
Bull NY Acad Med 49:837-44, Sep 73

## DENTAL CARIES SUSCEPTIBILITY

#### DRUG EFFECTS

Relation of arsenic supplements to dental caries and the periodontal syndrome in experimental rodents. Shaw JH. J Comp Neurol 52:494-7, May-Jun 73

## DENTAL HEALTH SURVEYS

Dental data requirements in the area health authorities. Burt BA, et al.
Br Dent J 135:361-4, 16 Oct 73
The need for treatment in 11 to 17-year-old children. A longitudinal epidemiological study. Sutcliffe P.
Br Dent J 135:153-7, 21 Aug 73
The dental health of Indian children in the Sioux Lookout Zone of Northwestern Ontario. Hargreaves JA, et al. J Can Dent Assoc 39:709-14, Oct 73
[Periodontal disease and oral hygiene in Argentina] Borghelli RF, et al.
Bol Of Sanit Panam 75:204-12, Sep 73 (Spa)

## DERMATITIS, CONTACT

Contact dermatitis XXII. Dermatitis from lanolin. Breit R, et al. Br J Dermatol 88:414-6, Apr 73 (19 ref.)

#### DIAGNOSIS

Thresholds of sensitivity in metal contact allergy. 2. The value of percutaneous absorption studies for selection of the most suitable vehicle. Wahlberg JE. Berufsdermatosen 21:151-8, Aug 73

#### ETIOLOGY

Letter: Allergic contact dermatitis to vitamin E aerosol deodorant. Aeling JL, et al.
Arch Dermatol 108:579-80, Oct 73
Production of lesions in various tissues by amino acids. Longton RW. Experientia 29:1013-5, 15 Aug 73

#### IMMUNOLOGY

On allergic contact dermatitis to virginiamycin. Lachapelle JM, et al. Dermatologica 146:320-2, 1973
Contact sensitivity in the mouse. XII. The use of DNA synthesis in vivo to determine the anatomical location of immunological unresponsiveness to picryl chloride. Asherson GL, et al. Immunology 25:495-508, Sep 73
Contact sensitivity in the mouse. XI. Movement of T blasts in the draining lymph nodes to sites of inflammation. Asherson GL, et al.
Immunology 25:485-94, Sep 73
Contact sensitivity in the mouse. X. Non-specific cytotoxicity of T blasts in the draining lymph nodes. Asherson GL, et al. Immunology 25:471-83, Sep 73
Contact sensitivity in vitro. The production of macrophage inhibition factors from DNCB sensitized lymphocytes by subcellular organelles obtained from DNCB epidermal tissue. Nishioka K, et al.
Immunology 25:423-32, Sep 73
Cutaneous basophil hypersensitivity in contact-sensitized guinea pigs. I. Transfer with immune serum. Askenase PW.
J Exp Med 138:1144-55, 1 Nov 73
Depression of the T cell phenomenon of contact sensitivity by T cells from unresponsive mice. Zembala M, et al. Nature 244:227-8, 27 Jul 73
[Effect of physical load on allergic skin reactions in an experiment] Dovzhanskiĭ SI, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 38:254-6, May-Jun 73 (Rus)

#### OCCURRENCE

Epidemiology of contact dermatitis in North America: 1972. Arch Dermatol 108:537-40, Oct 73

## DESERT CLIMATE

Thermoregulatory responses of the arid zone kangaroos, Megaleia rufa and Macropus robustus. Dawson TJ.
Comp Biochem Physiol [A] 46:153-69, 1 Sep 73

## DETERGENTS

Wastewater treatment: detergents. Banerji SK.
J Water Pollut Control Fed 45:1059-63, Jun 73
Relation of detergent HLB number to solubilization and stabilization of D-alanine carboxypeptidase from Bacillus subtilis membranes. Umbreit JN, et al.
Proc Natl Acad Sci USA 70:2997-3001, Oct 73

#### PHARMACODYNAMICS

Morphological modifications of the frog bladder induced by non ionic detergents (Rana pipiens L.). Corriveau M, et al.
Virchows Arch [Zellpathol] 14:69-75, 1973

## DISEASE MODELS, ANIMAL

The interaction of Brugia malayi and streptococcus in an animal model. Bosworth W, et al.
Am J Trop Med Hyg 22:714-9, Nov 73
Immunization with a zoophilic strain of Schistosoma japonicum: a re-evaluation of the Formosan strain of S. japonicum in rhesus monkeys. Murrell KD, et al.
Am J Trop Med Hyg 22:723-33, Nov 73
Letter: Infection with Mycobacterium avium in monkeys. Iseman MD.
Am Rev Respir Dis 108:713-4, Sep 73
Experimental pulmonary edema following re-expansion of pneumothorax. Miller WC, et al.
Am Rev Respir Dis 108:654-6, Sep 73
The stone heart. Development of a canine model, with ultrastructural survey and metabolic manipulation. Armstrong RG, et al.
Ann Thorac Surg 16:480-91, Nov 73
Spontaneous AK leukemia (lymphoma) as a model for human leukemias and lymphomas. Skipper HE, et al.
Cancer Chemother Rep [Suppl] 3:3-5, 1 May 72
Chronic gastric ulcer induced by aspirin: an experimental model. St. John DJ, et al.
Gastroenterology 65:634-41, Oct 73
An experimental model of autoimmune hemolytic anemia in mice. Fox AE, et al.
Immunol Commun 2:241-54, 1973
The development of an intracerebral glioma model for brain tumor chemotherapy. Wassenaar W, et al.
J Neurosurg 39:293-301, Sep 73
The baboon as a model system for the study of periodontal disease: clinical and light microscopic observations. Avery BE, et al.
J Periodontol 44:675-86, Nov 73
Enzyme-containing liposomes alleviate a model for storage disease. Gregoriadis G, et al.
Nature 244:170-2, 20 Jul 73
Prenatal hypothyroidism and brain composition in a primate. Holt AB, et al. Nature 243:413-5, 15 Jun 73
Histidinaemic mutant in the mouse. Kacser H, et al.
Nature 244:77-9, 13 Jul 73
Experimental model for production of perforating duodenal ulcers by cysteamine in the rat. Selye H, et al. Nature 244:458-9, 17 Aug 73
Brain abscess from septic cerebral embolism: an experimental model. Molinari GF, et al.
Neurology (Minneap) 23:1295-10, Nov 73
Microelectrode investigations of unit activity in experimental photogenic epilepsy. Lezhava GG.
Neurosci Behav Physiol 6:122-6, Apr-Jun 73
Experimental production of "cauliflower ear" in rabbits. Pandya NJ.
Plast Reconstr Surg 52:534-7, Nov 73
Experimental emphysema in rats: elastolytic titer of inducing enzyme as determinant of the response. Blackwood CE, et al.
Proc Soc Exp Biol Med 144:450-4, Nov 73
Chronic self-perpetuating arthritis induced in rabbits by a cell-free extract of group A streptococci. Stein H, et al. Proc Soc Exp Biol Med 143:1106-12, Sep 73
Nutrition and alcohol consumption in the Sinclair miniature pig. Brown RV, et al.
Q J Stud Alcohol 34:758-63, Sep 73
Cardiomyopathy in crowded rabbits. A preliminary report. Weber HW, et al.
S Afr Med J 47:1591-5, 8 Sep 73
An overview of transplacental chemical carcinogenesis. Rice JM. Teratology 8:113-25, Oct 73 (89 ref.)
The isolated ureter. A model for study of ureteral rejection. Texter JH Jr. Urology 2:244-8, Sep 73
[Quantitative analyses of evoked potentials for neurophysiological characterization of defective learning processes in the pathogenesis of experimental arterial hypertension] Baumann H, et al.
Acta Biol Med Ger 30:675-96, May 73 (Eng. Abstr.) (Ger)

## DISEASE OUTBREAKS

An outbreak of diphtheria in a hospital for the mentally subnormal. Anderson GS, et al.
J Clin Pathol 26:606-15, Aug 73
Epidemic Trichophyton mentagrophytes infections in servicemen. Source of infection, role of environment, host factors, and susceptibility. Allen AM.
JAMA 226:864-7, 19 Nov 73
Salmonella typhimurium gastroenteritis. Statewide outbreak. Fleming DS, et al.
Minn Med 56:722-3, Aug 73
Letter: The pediatrician, the epidemic, and the community. Seifert MH Jr. Pediatrics 52:748, Nov 73
Antibody to Australia antigen in an outbreak of hepatitis on an Indian reservation. Chiurco AA, et al.
Res Commun Chem Pathol Pharmacol 6:273-92, Jul 73
Epidemic conjunctivitis: discovery of a new aetiologic agent. Lim KH. Singapore Med J 14:82-5, Jun 73

#### HISTORY

[Choleric pandemics] Rico-Avello C.
Rev Sanid Hig Publica (Madr) 46:521-36, Jul 72 (Eng. Abstr.) (Spa)

#### OCCURRENCE

Leptospirosis--an epidemic in children. Barkin RM, et al. Am J Epidemiol 98:184-91, Sep 73
Epizootiologic aspects of raccoon rabies in Florida. Bigler WJ, et al. Am J Epidemiol 98:326-35, Nov 73
Epidemiology of respiratory syncytial virus infection in Washington, D.C. 3. Composite analysis of eleven consecutive yearly epidemics. Brandt CD, et al.
Am J Epidemiol 98:355-64, Nov 73
Recurrent institutional outbreaks of acute infectious nonbacterial gastroenteritis: epidemiology and etiology. Buscho R, et al.
Am J Epidemiol 98:192-8, Sep 73
An outbreak of acute polyradiculoneuropathy in

Columbia in 1968. Lopez F, et al.
Am J Epidemiol 98:226-30, Sep 73
A major epidmeic of infectious hepatitis in an institution for the mentally retarded. Matthew EB, et al. Am J Epidemiol 98:199-215, Sep 73
An outbreak of leptospirosis in Washington state. Nelson KE, et al. Am J Epidemiol 98:336-47, Nov 73
Clinical presentation of Lassa fever cases during the hospital epidemic at Zorzor, Liberia, March-April 1972. Mertens PE, et al.
Am J Trop Med Hyg 22:780-4, Nov 73
A hospital epidemic of Lassa fever in Zorzor, Liberia, March-April 1972. Monath TP, et al.
Am J Trop Med Hyg 22:773-9, Nov 73
Coccidioidomycosis in Northern California. An outbreak among archeology students near Red Bluff. Werner SB, et al. Calif Med 119:10-20, Sep 73
Outbreak of type I paralytic poliomyelitis in Kampala City and the surrounding Mengo (East and West Buganda) Districts of Uganda during 1969. Munube GM. Drug Ther Bull 49:1012-9, Dec 72
Microbiology--waterborne outbreaks. Craun GF.
J Water Pollut Control Fed 45:1285-77, Jun 73
Epidemic conjunctivitis in Singapore in 1970 and 1971. Lim KH, et al. Singapore Med J 14:86-9, Jun 73
Editorial. Singapore epidemic conjunctivitis. Loh RC.
Singapore Med J 14:68, Jun 73
Reappearance of plaque in Khmer Republic (formerly Cambodia). Velimirovic B.
Z Tropenmed Parasitol 24:265-70, Sep 73
[Statistical analysis of 349 cases of post-influenza complications treated at the Provincial Hospital of Infectious Diseases in Szczecin during the Hong Kong influenza epidemic of 1969] Węclawik Z.
Pol Tyg Lek 28:1360-3, 27 Sep 73 (Eng. Abstr.) (Pol)

#### PREVENTION & CONTROL

Control of Australia antigen-positive hepatitis within haemodialysis units. Almeida JD.
Proc R Soc Med 66:798, Aug 73

## DISEASE RESERVOIRS

Sylvatic focus of trichiniasis in the Caspian region, Northern Iran. Mobedi I, et al.
Am J Trop Med Hyg 22:720-2, Nov 73
International contact tracing in venereal disease. Willcox RR. WHO Chron 27:418-22, Oct 73

#### VETERINARY

The involvement of dogs in endemic cycles of Venezuelan encephalitis virus. Dickerman RW, et al.
Am J Epidemiol 98:311-4, Oct 73
Horizontal transmission of feline leukaemia virus. Hardy WD Jr, et al. Nature 244:266-9, 3 Aug 73

## DISEASE VECTORS

The influence of Ronald Ropss upon the early development of malaria vector control procedures in the United States Army. (Ross R), Ward RA.
J Trop Med Hyg 76:207-9, Aug 73
[Proposals on strategy in bovine vector disease control in tropical and subtropical areas] Seifert HS.
Dtsch Tieraerztl Wochenschr 80:348-52 contd, 1 Aug 73 (Ger)
[Virological and serological investigations on the role of birds as hosts of arboviruses in Eastern Austria (author's transl)] Aspöck H, et al.
Zentralbl Bakteriol [Orig A] 224:156-67, Jul 73 (Eng. Abstr.) (Ger)
[Isolation of a virus pathogenic for mice from Ixodes ricinus ticks in Northrhine-Westphalia and Suabia (author's transl)] Rehse-Küpper B, et al.
Zentralbl Bakteriol [Orig A] 224:168-77, Jul 73 (Eng. Abstr.) (Ger)

## DNA

#### BIOSYNTHESIS

Contact sensitivity in the mouse. XII. The use of DNA synthesis in vivo to determine the anatomical location of immunological unresponsiveness to picryl chloride. Asherson GL, et al. Immunology 25:495-508, Sep 73
Cerebellar development in the rat after early postnatal damage by methylazoxymethanol: DNA, RNA and protein during recovery. Chanda R, et al.
J Neurochem 21:547-55, Sep 73

## ECOLOGY

Health in ecological perspective. Brunetti PM.
Acta Psychiatr Scand 49:393-404, 1973
Energy damage and the ten countermeasure strategies. Haddon W Jr. Hum Factors 15:355-66, Aug 73
Mass and energy flow in closed ecosystems: a comment. May RM. J Theor Biol 39:155-62, Apr 73
On the isocline methods for analyzing prey-predator interactions. Strebel DE, et al.
J Theor Biol 39:211-39, Apr 73
[Ecology, a reference mark] Biagi F.
Prensa Med Mex 38:22-5, Jan-Feb 73 (Spa)

## EDUCATIONAL STATUS

A study of risks, medical care, and infant mortality. 3. Education of mother, medical care, and condition of infant. Chase HC, et al.
Am J Public Health 63:27-40, Sep 73
A study of risks, medical care, and infant mortality. 2. Ethnic group, education of mother, and birth weight. Erhardt CL, et al. Am J Public Health 63:17-26, Sep 73
A follow-up study of unsuccessful applicants to medical schools. Becker MH, et al.
J Med Educ 48:991-1001, Nov 73

## EMPLOYMENT

Physicians seeking location in New Jersey.
J Med Soc NJ 70:691-9, Sep 73
Variation of activity rates and earnings with increasing age. Thatcher AR. Proc R Soc Med 66:811-2, Aug 73
[After-hours occupation of public health physicians] Rieger HJ.
Dtsch Med Wochenschr 98:1679-80, 7 Sep 73 (Ger)

## ENVIRONMENT

Toxicological problems relating to changes in the environment. Henschler D.
Angew Chem [Engl] 12:274-82, 1973
The effect of environmental stress on the activity of malate dehydrogenase and lactate dehydrogenase and lactate dehydrogenase in Neanthes arenacedentata (Annelida: Polychaeta). Cripps RA, et al.
Comp Biochem Physiol [B] 46:123-33, 15 Sep 73
Maternal influence on the response of wild and domestic Norway rats to a novel environment. Price EO, et al. Dev Psychobiol 6:203-8, May 73
Loss of depth avoidance in chicks as a function of early environmental influences. Seitz V, et al.
J Comp Physiol Psychol 85:139-43, Oct 73
A study of some enriching variables in a free-environment for rats. Bernstein L.
J Psychosom Res 17:85-8, Mar 73
Environmentally-induced changes in the brains of elderly rats. Cummins RA, et al.
Nature 243:516-8, 29 Jun 73
Differential perceptions of environmental esthetics. Taylor RN, et al. Percept Mot Skills 37:587-91, Oct 73
Presurgical rearing environment alters exploration, fluid consumption, and learning of septal lesioned and control rats. Donovick PJ, et al.
Physiol Behav 11:543-53, Oct 73
Ecological genetics and natural selection in molluscs. Jones JS. Science 182:546-52, 9 Nov 73
Animal health, behaviour and disease prevention in different environments in modern Swedish animal husbandry. Ekesbo I. Vet Rec 93:36-9, 14 Jul 73
[Mercury pollution and public health] André R.
J Pharm Belg 28:265-77, Mar-Apr 73 (Fre)
[Effect of constant exposure to stimuli on mentally retarded children] Nissen Von Gerhardt.
Prax Kinderpsychol Kinderpsychiatr 22:195-9, Aug-Sep 73 (Ger)
[Various findings concerning the status of health of working women exposed to carbon disulfide] Simko A, et al. Zentralbl Arbeitsmed 23:173-9, Jun 73 (Ger)
[Effect of work environment on the respiratory system] Zahorski W.
Pol Arch Med Wewn 50:903-8, Sep 73 (Pol)

## ENVIRONMENTAL EXPOSURE

Blood catecholamines and thyroxine in men exposed to high environmental temperatures. Kozlowski S, et al.
Acta Physiol Pol 24:517-24, Jul-Aug 73
Must your new plant be too noisy? Dryden SL, et al.
Am Ind Hyg Assoc J 34:241-51, Jun 73
Determination of revised Air Force permissible exposure levels for laser radiation. Dunsky IL, et al.
Am Ind Hyg Assoc J 34:235-40, Jun 73
The effect of SO2 on lung clearance of TiO2 particles in rats. Ferin J, et al. Am Ind Hyg Assoc J 34:260-3, Jun 73
A carbon monoxide-oxygen sampler for evaluation of fire fighter exposures. Sidor R, et al.
Am Ind Hyg Assoc J 34:264-74, Jun 73
Hygienic guide series: titanium.
Am Ind Hyg Assoc J 34:275-7, Jun 73
Rheumatoid pneumoconiosis. Documentation of onset and pathogenic considerations. Benedek TG.
Am J Med 55:515-24, Oct 73 (55 ref.)
Letter: Environmental noise. Falk SA.
Am J Public Health 63:833-6, Oct 73
Epidemiology of the acute fevers of unknown origin in South Vietnam: effect of laboratory support upon clinical diagnosis. Berman SJ, et al.
Am J Trop Med Hyg 22:796-801, Nov 73
Occupational asthma and rhinitis due to Western red cedar (Thuja plicata). Chan-Yeung M, et al.
Am Rev Respir Dis 108:1094-102, Nov 73
Maximal expiratory flow and airway resistance during induced bronchoconstriction in patients with asthma due to Western red cedar (Thuja plicata).
Chan-Yeung M. Am Rev Respir Dis 108:1103-10, Nov 73
Acute pulmonary reaction to spray starch with soil repellant. DoPico GA, et al.
Am Rev Respir Dis 108:1212-5, Nov 73
James Perkins lecture. Health and environment. Dubos R. Am Rev Respir Dis 108:761-6, Oct 73
Lung static recoil and airway obstruction in hemp workers with byssinosis. Guyatt AR, et al.
Am Rev Respir Dis 108:1111-5, Nov 73
Toxicological problems relating to changes in the environment. Henschler D.
Angew Chem [Engl] 12:274-82, 1973
Retinal laser damage thresholds as a function of image diameter. Beatrice ES, et al.
Arch Environ Health 27:322-6, Nov 73
Type of asbestos and respiratory cancer in the asbestos industry. Enterline PE, et al.
Arch Environ Health 27:312-7, Nov 73
Long-term occupational exposure to DDT. Laws ER Jr, et al. Arch Environ Health 27:318-21, Nov 73
Longitudinal studies of lead levels in a US population. McLaughlin M, et al.
Arch Environ Health 27:305-11, Nov 73
Trace metal content of hair. II. Cadmium and lead of human hair in relation to age and sex. Petering HG, et al. Arch Environ Health 27:327-30, Nov 73
Epidemiology of professional noise-induced hearing loss. Ewertsen HW. Audiology 12:453-8, Sep-Dec 73
Abnormal behaviour and pig nutrition. An unsuccessful attempt to induce tail biting by feeding a high energy, low fibre vegetable protein ration. Ewbank R.
Br Vet J 129:366-9, Jul-Aug 73
Laboratory ventilation and fume dispersal. Hughes D.
Chem Br 8:288-92, Jul 72
Leaf age and air pollutant susceptibility: uptake of ozone and sulfur dioxide. Craker LE, et al.
Environ Res 6:91-4, Mar 73
Morphological surface changes in the terminal bronchiolar region of NO2-exposed rat lung. Parkinson DR, et al. Environ Res 6:37-51, Mar 73
Toxicity, residue dynamics, and reproductive effects of phthalate esters in aquatic invertebrates. Sanders HO, et al. Environ Res 6:84-90, Mar 73
Measurement of annoyance due to exposure to environmental factors. The fourth Karolinska Institute Symposium on Environmental Health.
Environ Res 6:1-36, Mar 73
Radio-frequency energy: a hazard to workers? Odland LT. Ind Med Surg 42:23-6, Jul-Aug 73
Today's approach to protecting employees from the heavy metals. Soule RD, et al.
Ind Med Surg 42:20-2 passim, Jul-Aug 73
The effects of some air pollutants and meteorological conditions on airborne algae and protozoa. Smith PE.
J Air Pollut Control Assoc 23:876-80, Oct 73
Revaluation of the "Chattanooga school children study" in the light of other contemporary governmental studies: the possible impact of these findings on the present NO2 air quality standard. Warner PO, et al.
J Air Pollut Control Assoc 23:769-72, Sep 73
Epidemiological factors in lung cancer among women in El Pasco County, Texas 1944-1969. Macdonald EJ, et al.
J Am Med Wom Assoc 28:459-64 passim, Sep 73
Effects of cold exposure on growing pigs: growth, body composition and 17-ketosteroids. Hacker RR, et al.
J Anim Sci 37:739-44, Sep 73
Radiation penetrance of protective covers. Kovarik M.
J Appl Physiol 35:563-3, Oct 73
Energy balance and change in body weight and body water in man during a 2-day cold exposure. Wennberg LA, et al. J Appl Physiol 35:477-9, Oct 73
Results of studying the time of survival of pathogenic leptospira under natural conditions. Karaseva EV, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 17:339-45, Mar 73
Effects of pollution on freshwater fish. McKim JM, et al.
J Water Pollut Control Fed 45:1370-407, Jun 73 (375 ref.)
Pollution. Heavy metals: a review of lead. Shukla SS, et al.
J Water Pollut Control Fed 45:1319-31, Jun 73 (118 ref.)
Letter: carbon monoxide and smoking. Cole P.
Lancet 2:795, 6 Oct 73
Letter: Epidemiology of Hodgkin's disease. Fortuny IE.
Lancet 2:966, 27 Oct 73
Management of increased lead absorption and lead poisoning in children. Chisolm JJ Jr.
N Engl J Med 289:1016-8, 8 Nov 73
Letter: What shall replace lead in gasoline? Levisohn SR. N Engl J Med 289:1095, 15 Nov 73
The effect of cold on nerve conduction of human slow and fast nerve fibers. De Jesus PV, et al.
Neurology (Minneap) 23:1183-9, Nov 73
Health hazards in the working environment.
WHO Chron 27:344-6, Sep 73
[Mercury pollution and public health] André R.
J Pharm Belg 28:265-77, Mar-Apr 73 (Fre)
[Influence of a social-emotional environmental stress on the functional status of neocortical structures in

the rhesus monkey] Martin G, et al.
Acta Biol Med Ger 30:665-73, May 73 (Eng. Abstr.) (Ger)
[Toxic effects on heart of trichloroethylene (author's transl)] Konietzko H, et al.
Arch Toxikol 31:93-8, 30 Aug 73 (Eng. Abstr.) (Ger)
[The aetiology of chronic bronchitis (author's transl)] Ferlinz R.
Munch Med Wochenschr 115:1417-21, 24 Aug 73 (Eng. Abstr.) (Ger)
[Eccrine sweat gland function in chronic alcoholics. II. The magnesium and calcium loss in sweat and urine during heat exposure (author's transl)] Zazgornik J, et al.
Wien Klin Wochenschr 85:558-60, 17 Aug 73 (Eng. Abstr.) (Ger)
[Various findings concerning the status of health of working women exposed to carbon disulfide] Simko A, et al. Zentralbl Arbeitsmed 23:173-9, Jun 73 (Ger)
[Relationship between chronic bronchitis and bronchial obstruction in persons exposed to dust. II. Relationship between smoking, silicosis and bronchial obstruction] Mándi A, et al.
Orv Hetil 114:2477-82, 14 Oct 73 (Hun)
[Effect of work environment on the respiratory system] Zahorski W.
Pol Arch Med Wewn 50:903-8, Sep 73 (Pol)

## ENVIRONMENTAL HEALTH

Determination of revised Air Force permissible exposure levels for laser radiation. Dunsky IL, et al.
Am Ind Hyg Assoc J 34:235-40, Jun 73
Letter: Environmental noise. Falk SA.
Am J Public Health 63:833-6, Oct 73
A comparative analysis of the stimulus-response relationship between mortality and air pollution-weather. Lebowitz MD.
Environ Res 6:106-18, Mar 73
Measurement of annoyance due to exposure to environmental factors. The fourth Karolinska Institute Symposium on Environmental Health.
Environ Res 6:1-36, Mar 73
Revaluation of the "Chattanooga school children study" in the light of other contemporary governmental studies: the possible impact of these findings on the present NO2 air quality standard. Warner PO, et al.
J Air Pollut Control Assoc 23:769-72, Sep 73

## ENVIRONMENTAL POLLUTION

Toxicological problems relating to changes in the environment. Henschler D.
Angew Chem [Engl] 12:274-82, 1973
Health care in the United States: who pays? Bodenheimer TS. Int J Health Serv 3:427-34, 1973
Letter: Carcinogenesis by natural selection of species. Cambior GJ. Lancet 2:846-7, 13 Oct 73
[Mercury pollution and public health] André R.
J Pharm Belg 28:265-77, Mar-Apr 73 (Fre)
[Nursing questions and answers. Nursing and the society. II. Problems of the aged and environmental pollution] Ono Y.
Kango Kyoshitsu 17:26-31, Autumn 73 (Jap)

### ANALYSIS

Pollution. Heavy metals: a review of lead. Shukla SS, et al.
J Water Pollut Control Fed 45:1319-31, Jun 73 (118 ref.)

### PREVENTION & CONTROL

Measurement of annoyance due to exposure to environmental factors. The fourth Karolinska Institute Symposium on Environmental Health.
Environ Res 6:1-36, Mar 73

## EPIDEMIOLOGIC METHODS

The Ontario cancer incidence survey, 1964-1966: a new approach to cancer data acquisition. MacKay EN, et al.
Can Med Assoc J 109:489 passim, 15 Sep 73
Progress in psychiatric epidemiology. Gruenberg EM.
Psychiatr Q 47:1-11, 1973

## ESKIMOS

Tuberculosis in Eskimo children. A comparison of disease in children vaccinated with bacillus Calmette-Guèrin and nonvaccinated children. Wilson JM, et al. Am Rev Respir Dis 108:559-64, Sep 73
Differences in chronic otitis media between rural and urban Eskimo children: a comparative study. Johonnott SC. Clin Pediatr (Phila) 12:415-9, Jul 73
Growth, development and fitness of the Canadian Eskimo. Rode A, et al. Med Sci Sports 5:161-9, Fall 73
Fitness of the Canadian Eskimo--the influence of season. Rode A, et al. Med Sci Sports 5:170-3, Fall 73

## ETHNIC GROUPS

Ethnic background, measured intelligence, and adaptive behavior scores in mentally retarded children. Adams J, et al.
Am J Ment Defic 78:1-16, Jul 73
Letter: Desegregating health statistics. Chase HC.
Am J Public Health 63:836-7, Oct 73
A study of risks, medical care, and infant mortality. 2. Ethnic group, education of mother, and birth weight. Erhardt CL, et al. Am J Public Health 63:17-26, Sep 73
Differences in ventilatory capacity of Irish and Italian fire fighters. Sidor R, et al.
Am Rev Respir Dis 108:869-71, Sep 73
New careers in speech pathology, audiology, and language for black and Spanish-surnamed Americans. Yates JT. ASHA 15:344-8, Jul 73
Childhood and adolescence on Elcho Island. Nurcombe B. Aust NZ J Psychiatry 7:84-6, Jun 73
A follow-up study of psychiatric disturbance in a Cape Coloured community. Gillis LS, et al.
Br J Psychiatry 123:279-83, Sep 73
Malalignment of teeth in different human ethnic groups. Lavelle CL. J Comp Neurol 52:627, May-Jun 73
A prospective study of Maori infant health and the problem of nutritional anaemia. Cantwell RJ.
NZ Med J 78:61-5, 25 Jul 73
Temne-Arunta hand-eye dominance and susceptibility to geometric illusions. Dawson JL.
Percept Mot Skills 37:659-67, Oct 73
Cancer in Singapore--ethnic and dialect group variations in cancer incidence. Shanmugaratnam K.
Singapore Med J 14:69-81, Jun 73

## FAMILY CHARACTERISTICS

Distribution of matrimonial migrations in Belgium. Dodinval PA. Hum Hered 23:59-68, 1973
[Social environment and family situation in drug addiction endangered adolescents] Stahl CD, et al.
Prax Kinderpsychol Kinderpsychiatr 22:230-5, Aug-Sep 73 (Ger)

## FAMILY PLANNING

Choices and challenges for the Federal family planning program. Hellman LM.
Am J Obstet Gynecol 117:782-93, 15 Nov 73
Editorial: The psychiatrist and family planning. Brody EB. Am J Psychiatry 130:1273-4, Nov 73
Editorial: New manpower for family planning services. Sirey AR. Am J Public Health 63:831-2, Oct 73
Humane reproduction.
Group Adv Psychiatry [Rep] 86:381-516, Aug 73
The National Reporting System for Family Planning Services. Haupt BJ.
Health Serv Rep 88:637-9, Aug-Sep 73
A study of 2,245 women attending a hospital family planning clinic in Melbourne and the effect of the clinic on the hospital birth rate. Leeton J, et al.
Med J Aust 2:67-70, 14 Jul 73
[Family planning in the GDR] Mehlan KH, et al.
Dtsch Gesundheitsw 28:1136-40, 2 Jun 73 (Ger)
[Problems in family planning] Obolensky W.
Praxis 62:1005-13, 14 Aug 73 (Eng. Abstr.) (Ger)

## FATIGUE

Effects of local and general fatigue on static balance. Nelson JK, et al. Percept Mot Skills 37:615-8, Oct 73

### CHEMICALLY INDUCED

Letter: Effects of vitamin E: good and bad.
N Engl J Med 289:979-80, 1 Nov 73

### DRUG THERAPY

A pilot study of vitamin B12 in the treatment of tiredness. Ellis FR, et al. Br J Nutr 30:277-83, Sep 73

### URINE

Further studies on biochemical active substances in urine, increasing with fatigue due to physical exercise. Tamura S, et al.
Jap J Pharmacol 23:243-50, Apr 73

## FISH PRODUCTS

Bacterial production of di-methyl nitrosamine in salted fish. Fong YY, et al. Nature 243:421-2, 15 Jun 73

### ADVERSE EFFECTS

Incisor fluorosis in mice fed fish protein concentrate. Kerley MA. J Comp Neurol 52:626, May-Jun 73

## FLUORIDATION

Fluoride in the prevention of dental caries. A tentative cost-benefit analysis. Davies GN.
Br Dent J 135:173-4, 21 Aug 73
Comparison of the effects of fluoride drinking water on caries frequency and mottled enamel in three similar regions of Austria over a 10-year period. Binder K.
Caries Res 7:179-83, 1973
[A study of serum fluoride levels using a specific electrode technique (author's transl)] Jardillier JC, et al.
Clin Chim Acta 47:357-63, 14 Sep 73 (Eng. Abstr.) (Fre)

## FOOD ADDITIVES

[Melting salts] Bergner KG.
Dtsch Med Wochenschr 98:1823, 28 Sep 73 (Ger)
[Effect of Fe-, Co- or Ni-additives in zinc deficiency] Kirchgessner M, et al.
Z Tierphysiol 31:268-74, Jul 73 (Eng. Abstr.) (Ger)

### ADVERSE EFFECTS

[Toxic hazards of foods-additives in children] Bosch Pérez AV.
Folia Clin Int (Barc) 23:497-506, Jul-Aug 73 (Spa)

### ANALYSIS

Detection of adulteration in ginger galenicals by thin-layer chromatography. Osisiogu IU.
J Chromatogr 84:200-3, 12 Sep 73

### TOXICITY

Brief communication: Induction of tumors in rats by oral administration of technical acid violet 6B. Uematsu K, et al. J Natl Cancer Inst 51:1337-8, Oct 73

## FOOD ANALYSIS

Determination of organic acids in foods by liquid chromatography. Palmer JK, et al.
J Agric Food Chem 21:903-6, Sep-Oct 73
Formation of pyrazines from thermal treatment of some amino-hydroxy compounds. Wang PS, et al.
J Agric Food Chem 21:868-70, Sep-Oct 73
Folacin activity of frozen convenience foods. Hoppner K, et al. J Am Diet Assoc 63:536-9, Nov 73
Separation and identification of food dyes. V. Examination of ponceau 6R dyes: extraction of dyes from confectionery products (cakes, cake mixtures and pastries). Hayes WP, et al.
J Chromatogr 84:195-9, 12 Sep 73
Application of liquid chromatography in food analysis. Weerdhof T van de, et al.
J Chromatogr 83:455-60, 29 Aug 73

## FOOD HANDLING

[Food processing from the viewpoint of nutritional physiology: a critical consideration] Fricker A.
Z Ernaehrungswiss [Suppl] 15:139-48, 1973 (Ger)

## FOOD MICROBIOLOGY

Filtration methods for recovering enteroviruses from foods. Kostenbader KD Jr, et al.
Appl Microbiol 26:149-54, Aug 73
Viriditoxin production by Aspergillus viridi-nutans and related species. Lillehoj EB, et al.
Appl Microbiol 26:202-5, Aug 73
Nephro- and hepatotoxicity for mice and chicks in Penicillium piceum contaminated food. Parthasarathy VV, et al. Experientia 29:1099-100, 15 Sep 73
Cheddar cheese as a vehicle for viruses. Cliver DO.
J Dairy Sci 56:1329-31, Oct 73
Bacterial production of di-methyl nitrosamine in salted fish. Fong YY, et al. Nature 243:421-2, 15 Jun 73
Further investigations into the teratogenic potential of imperfect potatoes. Poswillo DE, et al.
Nature 244:367-8, 10 Aug 73
[Application of lysotyping for the differentiation of staphylococci from foods] Kusch D, et al.
Zentralbl Bakteriol [Orig B] 157:78-88, Apr 73 (Eng. Abstr.) (Ger)

## FOOD POISONING

[Toxic hazards of foods-additives in children] Bosch Pérez AV.
Folia Clin Int (Barc) 23:497-506, Jul-Aug 73 (Spa)

## FOOD PRESERVATION

Prepacked milk feeds for continuous intragastric feeding. Faux GA, et al. Br Med J 3:543, 8 Sep 73
Evaluating ready-service food products. Farevaag L, et al. Hospitals 47:108-11, 16 Oct 73
Letter: formation of nitrosamines in a meat curing mixture. Sen NP, et al. Nature 245:104-5, 14 Sep 73
[Inhibition of baycovin] Weibb S.
Munch Med Wochenschr 115:1485, 10 Aug 73 (Ger)

## FOOD SUPPLY

Nutrition realities in the lower income countries. Schertz LP. Nutr Rev 31:201-6, Jul 73

## GENETICS, POPULATION

Ecological genetics and natural selection in molluscs. Jones JS. Science 182:546-52, 9 Nov 73
[Population genetics of 6-phosphogluconate dehydrogenase (E.C.1.1.1.44) in Schleswig-Holstein (Northern Germany)] Heide KG, et al. Z Rechtsmed 72:121-3, 30 Apr 73 (Eng. Abstr.) (Ger)

## HEALTH AND WELFARE PLANNING

Psychiatric services, planning and organisation and family therapy. Acta Psychiatr Scand [Suppl] 1-73, Aug 73
Health system of largest communist country less socialized than ours in many ways. Wallace JD. Can Med Assoc J 109:409, 1 Sep 73
Letter: Health planning for children. Bhatia JR. Indian Pediatr 10:393-5, Jun 73
The politics of developing a national health policy. Evang K. Int J Health Serv 3:331-40, 1973
Health planning as a managerial ideology. Krause EA. Int J Health Serv 3:445-63, 1973
Editorial: A rebuff by HEW. Tillis BP. NY State Dent J 39:526-7, Nov 73
[Health planning from the aspect of a hygiene worker with undergraduate education] Ljutovac M, et al. Nar Zdrav 29:6-9, Jan 73 (Cro)

## HEALTH SURVEYS

Selected aspects of the health of old people in rural Buganda. Kakande ML, et al. Drug Ther Bull 49:970-82, Dec 72
A national study of child development (NCDS 1958 cohort). Preliminary findings in a national sample of 11-year-old children. Peckham CS. Proc R Soc Med 66:701-3, Jul 73

## HERBICIDES

Herbicidal activity of ester and amide derivatives of substituted pyrrole-2,4-dicarboxylic acids. Church AR, et al. J Agric Food Chem 21:763-7, Sep-Oct 73
Picloram photolytic decomposition. Mosier AR, et al. J Agric Food Chem 21:835-7, Sep-Oct 73
Persistence of endothall in aquatic environment as determined by gas-liquid chromatography. Sikka HC, et al. J Agric Food Chem 21:842-6, Sep-Oct 73

### METABOLISM

Metabolism of the herbicide methazole in cotton and beans, and fate of certain of its polar metabolites in rats. Dorough HW, et al. J Agric Food Chem 21:797-803, Sep-Oct 73
Isolation and identification of propham (isopropyl carbanilate) metabolites from the rat and the goat. Paulson GD, et al. J Agric Food Chem 21:804-11, Sep-Oct 73
Metabolism of isopropyl-3-chlorocarbanilate by cucumber plants. Still GG, et al. J Agric Food Chem 21:787-91, Sep-Oct 73

### PHARMACODYNAMICS

Ultrastructure of renal collecting tubules following ingestion of bipyridinium herbicide (Morfamquat). Balogh K, et al. Experientia 29:1101-3, 15 Sep 73
Effect of 3-amino-1,2,4-triazole pretreatment on N- and ring-hydroxylation of 2-acetylaminofluorene by the rat. Lotlikar PD, et al. Proc Soc Exp Biol Med 144:445-9, Nov 73
Multigeneration reproductive effects of three pesticides in rats. Kennedy GL Jr, et al. Toxicol Appl Pharmacol 25:589-96, Aug 73

## HUMAN ENGINEERING

Physiological and operational state of a group of aeroplane pilots under the conditions of stressing tracking tests. Strasser H, et al. Aerosp Med 44:1040-7, Sep 73

## HUMIDITY

Increased respiratory resistance after ultrasonic humidification of anesthesia gas. Waltemath CL, et al. Anesthesiology 39:547-9, Nov 73
Humidity regulator for air conditioners. Makarov VV. Biomed Eng (NY) 7:120, Mar-Apr 73
Effect of temperature and relative humidity on the development and mortality of alphitobius diaperinus (Panz), a stored product pest. Sarin K, et al. Folia Biol (Krakow) 21:223-8, 1973
Role of relative humidity in the synergistic effect of a sulfur dioxide-aerosol mixture on the lung. McJilton C, et al. Science 182:503-4, 2 Nov 73

## HYPOTHERMIA

Hypothermia and blood flow behavior. Schmid-Schönbein H, et al. Res Exp Med (Berl) 161:58-68, 26 Jul 73

### ETIOLOGY

Spontaneous periodic hypothermia: diencephalic epilepsy. Fox RH, et al. Br Med J 2:893-5, 23 Jun 73
Periodic hypothermia. Thomas DJ, et al. Br Med J 2:896-7, 23 Jun 73
Hypothermia and Wernicke's encephalopathy. Philip G, et al. J Pathol 110:pvi-vii, Jul 73

### METABOLISM

Possible involvement of brain serotonin in apomorphine-induced hypothermia. Grabowska M, et al. Eur J Pharmacol 23:82-9, Jul 73

## INDIANS, NORTH AMERICAN

Serum albumin polymorphisms in Whiteriver Apache Indians. Bradley DW, et al. Biochem Med 8:93-7, Aug 73
Letter: Indian health services, continued. Kohen DP, et al. Pediatrics 52:756, Nov 73
A residential alcoholism treatment program for American Indians. Kline JA, et al. Q J Stud Alcohol 34:860-8, Sep 73

## INFANT MORTALITY

A study of risks, medical care, and infant mortality. 3. Education of mother, medical care, and condition of infant. Chase HC, et al. Am J Public Health 63:27-40, Sep 73
A study of risks, medical care, and infant mortality. 4. Methodological considerations. Chase HC. Am J Public Health 63:41-56, Sep 73
A study of risks, medical care, and infant mortality. 1. Selected substantive results. Chase HC. Am J Public Health 63:3-16, Sep 73
A study of risks, medical care, and infant mortality. 2. Ethnic group, education of mother, and birth weight. Erhardt CL, et al. Am J Public Health 63:17-26, Sep 73
An international study of health and general systems of financing health care. Fraser RD. Int J Health Serv 3:369-97, 1973
A study of infant mortality from linked records by age of mother, total-birth order, and other variables: United States, 1960 live-birth cohort. Vavra HM, et al. Vital Health Stat 20:1-52, Sep 73
[Infant mortality by length and weight at birth as well as by causes of death. Results of a special enumeration (author's transl)] Leutner R. Monatsschr Kinderheilkd 121:559-66, Aug 73 (Ger)
[Lowering the perinatal mortality of children born of mothers with heart defects] Vanina LV, et al. Vopr Okhr Materin Det 18:60-4, Jun 73 (Eng. Abstr.) (Rus)

## INSECT CONTROL

Genetic control of insect population. I. Cage studies of chromosome replacement by compound autosomes in Drosophila melanogaster. Fitz-Earle M, et al. Genetics 74:461-75, Jul 73
Trichlorfon and dichlorvos: their residues and toxicity in rodent bait for flea control. Bowman MC, et al. J Med Entomol 10:405-10, 31 Jul 73
Radiation sterilization of Aedes aegypti in nitrogen and implications for sterile male technique. Hallinan E, et al. Nature 244:368-9, 10 Aug 73
The use of viruses for the control of insect pests and disease vectors. Report of a joint FAO-WHO meeting on insect viruses. WHO Tech Rep Ser 531:3-48, 1973

## INSECT REPELLENTS

Tagetes minuta L., as a repellent and insecticide against adult mosquitoes. Okoth J. East Afr Med J 50:317-22, Jun 73

## INSECT VECTORS

Antibody and antibiotic action on Rickettsia prowazeki in body lice across the host-vector interface, with observations on strain virulence and retrieval mechanisms. Boese JL, et al. Am J Epidemiol 98:262-82, Oct 73
Transmission of three strains of Plasmodium falciparum from monkey to man. Collins WE, et al. J Parasitol 59:855-8, Oct 73
Hepatitis-B antigen in colony mosquitoes. Metselaar D, et al. Lancet 2:758-9, 6 Oct 73
Epidemiology of Chagas' disease and methods of detecting T. cruzi. Neal RA. Proc R Soc Med 66:773-4, Aug 73
St. Louis encephalitis virus: an ultrastructural study of infection in a mosquito vector. Whitfield SG, et al. Virology 56:70-87, Nov 73
The use of viruses for the control of insect pests and disease vectors. Report of a joint FAO-WHO meeting on insect viruses. WHO Tech Rep Ser 531:3-48, 1973
Quantitative studies on the transmission of Onchocerca volvulus by Simulium damnosum in the Bong Range, Liberia. Garms R. Z Tropenmed Parasitol 24:358-72, Sep 73
[On the distribution of Simulium damnosum in Liberia (author's transl)] Garms R. Z Tropenmed Parasitol 24:222-31, Jun 73 (Eng. Abstr.) (Ger)
[Experimental studies on the quantitative aspects of transmission of Dirofilaria immitis by mosquitoes (author's transl)] Zielke E. Z Tropenmed Parasitol 24:214-21, Jun 73 (Eng. Abstr.) (Ger)

## INSECTICIDES

A simple flowmeter for measuring variation in the discharge rates of sprayer nozzle tips. Rafatjah HA, et al. Bull WHO 48:375-7, 1973
Decomposition of methomyl in soil. Harvey J Jr, et al. J Agric Food Chem 21:784-6, Sep-Oct 73

### METABOLISM

Metabolism of methomyl in the rat. Harvey J Jr, et al. J Agric Food Chem 21:769-75, Sep-Oct 73
Metabolism of methomyl in tobacco, corn, and cabbage. Harvey J Jr, et al. J Agric Food Chem 21:775-83, Sep-Oct 73
Penetration of insecticides through isolated sections of the mouse digestive system: effects of age and region of intestine. Shah PV, et al. Toxicol Appl Pharmacol 25:621-4, Aug 73

### TOXICITY

Selective toxicity of N-sulfenylated derivatives of insecticidal methylcarbamate esters. Black AL, et al. J Agric Food Chem 21:747-51, Sep-Oct 73
[Health and sanitary considerations on the use of the pesticide Dipterex] Apostol S, et al. Rev Med Chir Soc Med Nat Iasi 77:417-21, Jul-Sep 73 (Rum)

## LASERS

Determination of revised Air Force permissible exposure levels for laser radiation. Dunsky IL, et al. Am Ind Hyg Assoc J 34:235-40, Jun 73
Laser surgery in the aerodigestive tract. Strong MS, et al. Am J Surg 126:529-33, Oct 73
Small angle light scattering of bovine cornea as affected by birefringence. Bettelheim FA, et al. Biochim Biophys Acta 313:268-76, 28 Jul 73
Comparison of protein structure in crystals and in solution by laser Raman scattering. II. Ribonuclease A and carboxypeptidase A. Yu NT, et al. J Am Chem Soc 95:5033-7, 25 Jul 73
[Enzyme reactions studied by laser-interferometry] Paletta B, et al. Experientia 29:1036-7, 15 Aug 73 (Eng. Abstr.) (Ger)
[Study of protein structure by laser Raman spectroscopy (author's transl)] Tasumi M. Protein Nucleic Acid Enzyme (Tokyo) 18:241-8, Apr 73 (29 ref.) (Jap)

### ADVERSE EFFECTS

Band keratopathy after ocular exposure to visible laser radiation. Leibowitz HM, et al. Am J Ophthalmol 76:468-71, Oct 73
Retinal laser damage thresholds as a function of image diameter. Beatrice ES, et al. Arch Environ Health 27:322-6, Nov 73
[Oncogenic effect of rubin lazer rays (author's transl)] Ehlers G, et al. Med Klin 68:1229-38, 21 Sep 73 (Eng. Abstr.) (Ger)

### THERAPEUTIC USE

Laser microsurgery in experimental otolaryngology. Hobeika CP, et al. Trans Am Acad Ophthalmol Otolaryngol 76:325-33, Mar-Apr 72

## LATRINES

Letter: Lavatory doors. Begley MD. Br Med J 3:697, 29 Sep 73

## LAUNDERING

Acute pulmonary reaction to spray starch with soil repellant. DoPico GA, et al. Am Rev Respir Dis 108:1212-5, Nov 73

## LEAD POISONING

### BLOOD

Studies in lead poisoning. II. Correlation between the ratio of activated to inactivated delta-aminolevulinic acid dehydratase of whole blood and the blood lead level. Granick JL, et al. Biochem Med 8:149-59, Aug 73
Studies in lead poisoning. I. Microanalysis of erythrocyte protoporphyrin levels by spectrophotometry in the detection of chronic lead

intoxication in the subclinical range. Sassa S, et al. Biochem Med 8:135-48, Aug 73

COMPLICATIONS

Lead encephalopathy--report of two cases. Chan HC, et al. Singapore Med J 14:133-6, Jun 73

DIAGNOSIS

[Occupational lead poisoning from the viewpoint of internal medicine] Martin H, et al. Med Welt 24:589-93, 13 Apr 73 (Ger)

ENZYMOLOGY

Hepatic drug metabolizing activity in lead-poisoned rats. Scoppa P, et al. Experientia 29:970-2, 15 Aug 73

METABOLISM

Lead levels in dentine and circumpulpal dentine of deciduous teeth of normal and lead poisoned children. Shapiro IM, et al. Clin Chim Acta 46:119-23, 28 Jun 73

Letter: Electron microscope autoradiography of kidney after administration of 210Pb in mice. Murakami M, et al. Nature 245:153-4, 21 Sep 73

PHYSIOPATHOLOGY

[Reactions of autonomic nervous system in chronic plumbism] Langauer-Lewowicka H. Neurol Neurochir Pol 7:509-14, Jul-Aug 73 (Eng. Abstr.) (Pol)

PREVENTION & CONTROL

Management of increased lead absorption and lead poisoning in children. Chisolm JJ Jr. N Engl J Med 289:1016-8, 8 Nov 73

VETERINARY

[Case of acute lead poisoning in cattle] Zhavoronkov NI, et al. Veterinariia 9:89-91, Sep 72 (Rus)

## LIFE EXPECTANCY

[Nutrition, aging, and life expectancy] Cremer HD. Z Ernaehrungswiss [Suppl] 15:130-8, 1973 (20 ref.) (Ger)

## LIFE STYLE

Correlates of life satisfaction: a re-examination. Edwards JN, et al. J Gerontol 28:499-502, Oct 73

## LIGHT

Effects of short-term low intensity light on the albino rat retina. An electron microscopic study. Shear CR, et al. Am J Anat 138:127-32, Sep 73

Photoreception in the photosexual response of quail. II. Effects of intensity and wavelength. Oishi T, et al. Am J Physiol 225:880-6, Oct 73

Honey bee behavior: responses to light and electric shock. Bermant G, et al. Behav Biol 9:505-9, Oct 73

Contact lenses for fundus examination and vitreous surgery with focal illumination. Schirmer KE, et al. Can J Ophthalmol 8:416-20, Jul 73

Laboratory note. Cortical habituation response to coloured lights and its relation to perception of stimulus duration. Ali MR. Electroencephalogr Clin Neurophysiol 35:550-2, Nov 73

The diurnal activity of Vanessa urticae (L.) in alternating light conditions. Wojtusiak J. Folia Biol (Krakow) 21:229-33, 1973

Virulence differences in mice of type A and B Histoplasma capsulatum yeasts grown in continuous light and total darkness. Campbell CC, et al. Infect Immun 8:677-8, Oct 73

Evidence for photoperiodic control of prolactin release in rams. Pelletier J. J Reprod Fertil 35:143-7, Oct 73

Letter: Photoperiodism and adaptive behaviour in a small mammal. Lynch GR, et al. Nature 244:46-7, 6 Jul 73

Letter: Effects of light intensity, wavelength and quanta on gonads and spleen of the deer mouse. Vriend J, et al. Nature 244:37-8, 6 Jul 73

Effect of light on thermal reinforcement in behavioral thermoregulation. Sabourin M, et al. Percept Mot Skills 37:611-4, Oct 73

Periodicity of susceptibility to pneumococcal infection: influence of light and adrenocortical secretions. Shackelford PG, et al. Science 182:285-7, 19 Oct 73

[Human reaction time at the start and finish of a short light flash] Makarov PO. Fiziol Zh SSSR 59:846-8, Jun 73 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

The action spectrum in polymorphic light eruption. Frain-Bell W, et al. Br J Dermatol 89:243-9, Sep 73

[Influence of the level of environmental illumination on the ocular changes induced by hydroxychloroquine in the rat] Legros J, et al. Arch Ophtalmol (Paris) 33:417-24, May 73 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

Relative roles of phototherapy and phenobarbitone in treatment of nonhaemolytic neonatal jaundice. Wong YK, et al. Arch Dis Child 48:704-8, Sep 73

[Place of phototherapy in the treatment of jaundice in the newborn] Farriaux JP, et al. Lille Med 18:403-14, Apr 73 (Fre)

## LIGHTNING

Editorial: Death by lightning. Med J Aust 2:252, 11 Aug 73

[Electrocardiographic early observations shortly after a lightning stroke] Loesnitzer K, et al. Z Kardiol 62:530-5, Jun 73 (Eng. Abstr.) (Ger)

## LONGEVITY

High blood pressure, other risk factors and longevity: the insurance viewpoint. Lew EA. Am J Med 55:281-94, Sep 73

## MAGNETICS

Model studies of the magnetocardiogram. Grynszpan F, et al. Biophys J 13:911-25, Sep 73

[Mass spectrometer with magnetic analyser for low density plasma studies (author's transl)] Thomas R, et al. J Phys E Sci Instrum 6:875-9, Sep 73 (Fre)

ADVERSE EFFECTS

Effects of active magnetic fields on permanently implanted triggered pacemakers. Smyth NP, et al. Med Instrum 7:189-95, May-Aug 73

## MARINE BIOLOGY

Toxicity, residue dynamics, and reproductive effects of phthalate esters in aquatic invertebrates. Sanders HO, et al. Environ Res 6:84-90, Mar 73

Marine and estuarine pollution. Reish DJ. J Water Pollut Control Fed 45:1310-9, Jun 73 (125 ref.)

## MATERNAL-FETAL EXCHANGE

The use of gass chromatography-mass spectrometry methods in perinatal pharmacology. Horning MG, et al. Adv Biochem Psychopharmacol 7:113-24, 1973

Cretinism and the fetal-maternal relationship. Stanbury JB. Adv Exp Med Biol 30:487-505, 1972 (50 ref.)

Free thyroxine index in maternal and cord sera: coefficients of variation evaluated by the method of differences of duplicates. Schenken JR, et al. Am J Clin Pathol 60:499-501, Oct 73

The role of circulatory buffers in fetal tolerance to stress. Assali NS, et al. Am J Obstet Gynecol 117:643-53, 1 Nov 73

Stilbestrol, adenosis, and adenocarcinoma. Ulfelder H. Am J Obstet Gynecol 117:794-800, 15 Nov 73

Growth of glucose and oxygen uptakes by fetuses of fed and starved ewes. Boyd RD, et al. Am J Physiol 225:897-902, Oct 73

The normal transplacental passage of maternal red cells in mice. Holliday J, et al. Cell Tissue Kinet 6:455-9, Sep 73

Brief communication: Pathologic effects in rats surviving prenatal and neonatal administration of 1,3-bis(2-chloroethyl)-1-nitrosoures. Weiss E de C, et al. J Natl Cancer Inst 51:1363-6, Oct 73

Testosterone levels in the serum and testes of growing rats following prenatal exposure to busulphan. Hall RW, et al. J Reprod Fertil 35:131-4, Oct 73

Letter: Uterine activity following intravenous administration of oxytocin to foetal sheep. Nathanielsz PW, et al. Nature 243:471-2, 22 Jun 73

Unconjugated estrogens in the perinatal period. Kenny FM, et al. Pediatr Res 7:826-31, Oct 73

Fetal malnutrition in white newborn infants: maternal factors. Miller HC, et al. Pediatrics 52:504-12, Oct 73

Effects of maternal nutrition on the human fetus. Naeye RL, et al. Pediatrics 52:494-503, Oct 73

Teratogenicity and neonatal toxicity of ifosfamide in mice. Bus JS, et al. Proc Soc Exp Biol Med 143:965-70, Sep 73

Maternal-fetal endocrine interrelations in the rat: effects of cyclic and dibutyryl cyclic AMP on pituitary-thyroid and adrenocortical systems in mother and neonate. D'Angelo SA, et al. Proc Soc Exp Biol Med 143:941-7, Sep 73

Maternal vaccination with formalin-inactivated Gross lymphoma virus in rats and transfer of immunity to offspring. Ioachim HL, et al. Proc Soc Exp Biol Med 144:376-9, Nov 73

Fetal infection of the baboon (Papio cynocephalus) with vaccinia virus. Kalter SS, et al. Proc Soc Exp Biol Med 143:1022-4, Sep 73

Pup survival and prolactin levels in nicotine-treated lactating rats. Terkel J, et al. Proc Soc Exp Biol Med 143:1131-5, Sep 73

Some effects of lifetime parental exposure to low levels of tritium on the F2 generation. Laskey JW, et al. Radiat Res 56:171-9, Oct 73

An overview of transplacental chemical carcinogenesis. Rice JM. Teratology 8:113-25, Oct 73 (89 ref.)

## MATERNAL HEALTH SERVICES

Teenage pregnancy: multidisciplinary treatment and teaching. Klaus H, et al. J Med Educ 48:1027-9, Nov 73

UNICEF field manual on health care of mothers and children. J Trop Pediatr 19:53-85, Sep 73

Integration of maternal and child health activities. Ukeje MA. Trop Doct 3:182-4, Oct 73

[Preventive activity of O.N.M.I (Opera Nazionale Maternita è Infanzia) in the province of Matera] Padula M. Minerva Med 64:2727-9, 7 Jul 73 (Ita)

## MATERNAL MORTALITY

From the files of the Committee for the Study of Maternal Mortality. J Ky Med Assoc 71:639, Oct 73

South Carolina maternal mortality review for 1970. Eichelberger JG, et al. J SC Med Assoc 69:329-34, Sep 73

Maternal deaths among Ohio teenagers: a 16-year study. Ruppersberg A Jr. Ohio State Med J 69:692-4, Sep 73

## MAXIMUM PERMISSIBLE EXPOSURE LEVEL

Must your new plant be too noisy? Dryden SL, et al. Am Ind Hyg Assoc J 34:241-51, Jun 73

Determination of revised Air Force permissible exposure levels for laser radiation. Dunsky IL, et al. Am Ind Hyg Assoc J 34:235-40, Jun 73

Hygienic guide series: titanium. Am Ind Hyg Assoc J 34:275-7, Jun 73

Retinal laser damage thresholds as a function of image diameter. Beatrice ES, et al. Arch Environ Health 27:322-6, Nov 73

Formaldehyde: how much of a hazard? Ahmad I, et al. Ind Med Surg 42:26-7, Sep 73

Today's approach to protecting employees from the heavy metals. Soule RD, et al. Ind Med Surg 42:20-2 passim, Jul-Aug 73

Revaluation of the "Chattanooga school children study" in the light of other contemporary governmental studies: the possible impact of these findings on the present NO2 air quality standard. Warner PO, et al. J Air Pollut Control Assoc 23:769-72, Sep 73

Health hazards in the working environment. WHO Chron 27:344-6, Sep 73

[Risk of asbestosis in workers employed in replacing automobile brake linings] Boillat MA, et al. Schweiz Med Wochenschr 103:1354-9, 29 Sep 73 (Fre)

[Health and sanitary considerations on the use of the pesticide Dipterex] Apostol S, et al. Rev Med Chir Soc Med Nat Iasi 77:417-21, Jul-Sep 73 (Rum)

## MERCURY POISONING

Mercury hazards in dental practice. Assessment and control by activation analysis. Lenihan JM, et al. Br Dent J 135:365-9, 16 Oct 73

COMPLICATIONS

The interaction of mercury with cadmium and zinc in mammalian embryonic development. Gale TF. Environ Res 6:95-105, Mar 73

ETIOLOGY

Behavioral changes of young rats force-fed methyl mercury chloride. Post EM, et al. Proc Soc Exp Biol Med 143:1113-6, Sep 73

## MICROWAVES

Changes in the peripheral blood of the rat exposed to microwave radiation (2400 MHz) in conditions of chronic exposure. Djordjević Z, et al. Aerosp Med 44:1051-4, Sep 73

Radiowave and microwave blood warmers: comparison with water bath blood warming units. Dalili H, et al. South Med J 66:1254-9, Nov 73

ADVERSE EFFECTS

Microwave oven interference with cardiac pacemakers. Rustan PL, et al. Med Instrum 7:185-8, May-Aug 73

## MINING

Limiting rates of work for acclimatization at high wet bulb temperatures. Wyndham CH, et al.
**J Appl Physiol 35:454-8, Oct 73**

## MOLLUSCACIDES

Molluscicide for the control of schistosomiasis in irrigation schemes: a study in Southern Rhodesia. Shiff CJ, et al. **Bull WHO 48:299-307, 1973**

### PHARMACODYNAMICS

Endod extract, a plant-derived molluscicide: toxicity for mosquitoes. Spielman A, et al.
**Am J Trop Med Hyg 22:802-4, Nov 73**

## MORBIDITY

Letter: Definitions of attributable risk. Leviton A.
**Am J Epidemiol 98:231, Sep 73**
Contemporary population densities and human health. Factor RM, et al. **Nature 243:381-4, 15 Jun 73**
[Use of the "Delphi" method in predicting the overall morbidity of the population] Stiagov GI.
**Zdravookhr Ross Fed 17:15-8, Jun 73 (Rus)**

## MORTALITY

The M-L blood-group system and survival of Suffolk and Targhee lambs. Rasmusen BA, et al.
**Anim Blood Groups Biochem Genet 4:55-7, 1973**
Mortality in twins in relation to smoking habits and alcohol problems. Friberg L, et al.
**Arch Environ Health 27:294-304, Nov 73**
The relationship between air pollution and weather as stimuli and daily mortality as responses in Tokyo, Japan, with comparisons with other cities. Lebowitz MD, et al. **Environ Res 6:327-33, Sep 73**
A comparative analysis of the stimulus-response relationship between mortality and air pollution-weather. Lebowitz MD.
**Environ Res 6:106-18, Mar 73**
Contemporary population densities and human health. Factor RM, et al. **Nature 243:381-4, 15 Jun 73**
Methadone induced mortality as a function of the circadian cycle. Lenox RH, et al.
**Nature 244:101-2, 13 Jul 73**

## MOSQUITO CONTROL

Insecticidal activity of recent bacterial isolates and their toxins against mosquito larvae. Singer S.
**Nature 244:110-1, 13 Jul 73**

## MUTAGENS

Comparative mutagenic activity and toxicity of triethylphosphate and dichlorvos in bacteria and Drosophila. Dyer KF, et al. **Mutat Res 21:175-7, Jun 73**
Mutagenicity tests with captan and folpet in Drosophila melanogaster. Kramers PG, et al.
**Mutat Res 21:149-54, Jun 73**
Triazenes, a new group of indirect mutagens. Comparative investigations of the genetic effects of different Aryldialkyltriazenes using Saccharomyces cerevisiae, the host-mediated assay, Drosophila melanogaster, and human chromosomes in vitro. Vogel E, et al. **Mutat Res 21:123-36, Jun 73**
The European Environmental Mutagen Society. Abstracts of papers presented at the Third Annual Meeting, June 4th-7th, 1973. The Biomedical Centre, University of Uppsala (Sweden).
**Mutat Res 21:183-246, Aug 73**
[Mutagenicity and toxicity tests with captan in Drosophila (author's transl)] Mollet P.
**Mutat Res 21:137-48, Jun 73 (Eng. Abstr.) (Ger)**

### ANTAGONISTS & INHIBITORS

[Effect of tissue-homogenates on the teratogenic action of n-ethyl-nitroso-urea in vitro] Zeller WJ, et al.
**Z Krebsforsch 79:162-4, 7 May 73 (Eng. Abstr.) (Ger)**

### PHARMACODYNAMICS

Oxidative activation of benz(a)anthracene and methylated derivatives in mutagenesis and carcinogenesis. Fahmy OG, et al.
**Cancer Res 33:2354-61, Oct 73**
Sensitivity to mutagens of Rumex acetosa chromosomes. Degraeve N, et al.
**Experientia 29:1026-7, 15 Aug 73**
The response to chemical mutagens of the individual haploid and homoallelic diploid UV-sensitive mutants of the rad 3 locus of Saccharomyces cerevisiae. Waters R, et al. **Mol Gen Genet 124:135-43, 10 Aug 73**

## NITROGEN DIOXIDE

Revaluation of the "Chattanooga school children study" in the light of other contemporary governmental studies: the possible impact of these findings on the present NO2 air quality standard. Warner PO, et al.
**J Air Pollut Control Assoc 23:769-72, Sep 73**

### POISONING

Deleterious effects of oxygen at ambient and hyperbaric pressure in the treatment of nitrogen dioxide-poisoned mice. Pelled B, et al.
**Am Rev Respir Dis 108:1152-7, Nov 73**

### TOXICITY

Morphological surface changes in the terminal bronchiolar region of NO2-exposed rat lung. Parkinson DR, et al. **Environ Res 6:37-51, Mar 73**

## NUTRITION

Nutrition education-or education in child care? Greaves JP. **Indian Pediatr 10:347-9, Jun 73**
Nutrient intake of college students under two systems of board charges--a la carte vs. contract. Chilson BD, et al. **J Am Diet Assoc 63:543-5, Nov 73**
Nutrition and world health. 1972 Lenna Frances Cooper Memorial Lecture. Goldsmith GA.
**J Am Diet Assoc 63:513-8, Nov 73**
Care and feeding of the foetus. Some social implications. Dolin M. **NS Med Bull 52:190-1, Oct 73**
Nutrition realities in the lower income countries. Schertz LP. **Nutr Rev 31:201-6, Jul 73**
Effects of maternal nutrition on the human fetus. Naeye RL, et al. **Pediatrics 52:494-503, Oct 73**
[Nutrition problems in the postoperative phase] Jenny M. **Dtsch Med Wochenschr 98:2032-4, Oct 73 (Ger)**
[Eating habits and nutrition. Historical and medical review (author's transl)] Kaunitz H.
**Wien Klin Wochenschr 85:653-7, 5 Oct 73 (Ger)**
[Nutrition, aging, and life expectancy] Cremer HD.
**Z Ernaehrungswiss [Suppl] 15:130-8, 1973 (20 ref.) (Ger)**

### EDUCATION

Much ado about nutrition. Deringer SK.
**J Sch Health 43:528-9, Oct 73**

## NUTRITION SURVEYS

An inquiry into the drought situation in Upper Volta. Seaman J, et al. **Lancet 2:774-8, 6 Oct 73**
Dietary survey methods: individual and group aspects. Marr JW. **Proc R Soc Med 66:639-41, Jul 73**

## NUTRITIONAL REQUIREMENTS

Nutrition labeling: what, why, how. Bergy JL.
**Hospitals 47:76-8, 1 Oct 73**
Nutrient intake of college students under two systems of board charges--a la carte vs. contract. Chilson BD, et al. **J Am Diet Assoc 63:543-5, Nov 73**
Phosphorus balances of adults fed rice, milk, and wheat flour mixtures. Tewell JE, et al.
**J Am Diet Assoc 63:530-5, Nov 73**
Effect of asparagine on growth and protein synthesis in weanling rats. Crosby LO, et al.
**J Anim Sci 37:713-7, Sep 73**
Selenium requirements in corn-soy diets for growing-finishing swine. Groce AW, et al.
**J Anim Sci 37:948-56, Oct 73**
Magnesium, calcium and phosphorus metabolism in ponies fed varying levels of magnesium. Hintz HF, et al. **J Anim Sci 37:927-30, Oct 73**
Intraruminal urea infusion and abomasal amino acid passage. Owens FN, et al. **J Anim Sci 37:1000-9, Oct 73**
Influence of dietary calcium and phosphorus levels on the performance and bone characteristics of growing-finishing swine. Stockland WL, et al.
**J Anim Sci 37:906-12, Oct 73**
Sulfur requirement of lactating dairy cows. I. Sulfur balance and dietary supplementation. Bouchard R, et al. **J Dairy Sci 56:1276-82, Oct 73**
Nutrition and the elderly. Taif B.
**J Pract Nurs 23:20-2, Nov 73**
An inquiry into the drought situation in Upper Volta. Seaman J, et al. **Lancet 2:774-8, 6 Oct 73**
Letter: Full and empty fat cells. Widdowson EM, et al.
**Lancet 2:905, 20 Oct 73**
Editorial: Calcitonin in search of a function.
**Lancet 2:771-2, 6 Oct 73**
Winter sleep in the black bear. A physiologic and metabolic marvel. Nelson RA.
**Mayo Clin Proc 48:733-7, Oct 73**
Feminins and other vitamin-mineral supplements for women taking oral contraceptives.
**Med Lett Drugs Ther 15:81-2, Sep 73**
Care and feeding of the foetus. Some social implications. Dolin M. **NS Med Bull 52:190-1, Oct 73**
Levels of optimal vitamin C intake in individuals as estimated by the lingual tests. Yew ML, et al.
**Proc Soc Exp Biol Med 144:626-7, Nov 73**
[Effect of urea content of the diet on free aminoacidemia in lactating goats] Champredon C, et al.
**Ann Biol Anim Biochim Biophys 12:307-20, 1972 (Eng. Abstr.) (Fre)**
[New technics of long term parenteral feeding for intestinal replacement. Use of an artificial intestine in 54 cases] Solassol C, et al.
**J Chir (Paris) 105:15-24, Jan 73 (Eng. Abstr.) (Fre)**
[Nutrition problems in the postoperative phase] Jenny M. **Dtsch Med Wochenschr 98:2032-4, Oct 73 (Ger)**
[Parenteral feeding of premature infants (author's transl)] Hofert C, et al.
**Monatsschr Kinderheilkd 121:525-30, Aug 73 (Eng. Abstr.) (Ger)**
[Diagnosis: overnutrition (author's transl)] Maaser R.
**Monatsschr Kinderheilkd 121:548-50, Aug 73 (Eng. Abstr.) (Ger)**
[Nutrition and mental development (author's transl)] Schreier K.
**Monatsschr Kinderheilkd 121:554-8, Aug 73 (Eng. Abstr.) (Ger)**
[Food consumption and nutrient intake in preschool and school children (author's transl)] Stolley H, et al.
**Monatsschr Kinderheilkd 121:539-42, Aug 73 (Eng. Abstr.) (Ger)**
[Eating habits and nutrition. Historical and medical review (author's transl)] Kaunitz H.
**Wien Klin Wochenschr 85:653-7, 5 Oct 73 (Ger)**

## OCCUPATIONAL DERMATITIS

[Discontinuations of professional occupation by eczema patients. Comments on this part of No. 46 of the list "Regulation on Occupational Diseases" dated June 20, 1968] Kühl M.
**Berufsdermatosen 21:159-68, Aug 73 (Eng. Abstr.) (Ger)**

## OCCUPATIONAL DISEASES

Letter: Wind parotitis.
**N Engl J Med 289:1094-5, 15 Nov 73**

### CHEMICALLY INDUCED

Progress report. U.S. Beryllium Case Registry, 1972. Hasan FM, et al. **Am Rev Respir Dis 108:1252-3, Nov 73**
Type of asbestos and respiratory cancer in the asbestos industry. Enterline PE, et al.
**Arch Environ Health 27:312-7, Nov 73**
Long-term occupational exposure to DDT. Laws ER Jr, et al. **Arch Environ Health 27:318-21, Nov 73**
Dimethylformamide-induced abdominal pain and liver injury. Potter HP.
**Arch Environ Health 27:340-1, Nov 73**
Urinary proteins studied by use of isoelectric focusing. I. Tubular malfunction in association with exposure to cadmium. Vesterberg O, et al.
**Clin Chem 19:1179-83, Oct 73**
Formaldehyde: how much of a hazard? Ahmad I, et al.
**Ind Med Surg 42:26-7, Sep 73**
[Cytogenetic studies following chronic exposure to benzene (author's transl)] Khan H, et al.
**Arch Toxikol 31:39-49, 30 Aug 73 (Eng. Abstr.) (Ger)**
[The so-called vinyl chloride disease] Jühe S, et al.
**Dtsch Med Wochenschr 98:2034-7, Oct 73 (Ger)**
[Respiratory functional changes in subjects exposed to chromium. II. Steady-state CO transfer changes] Reggiani A, et al.
**Lav Um 25:56-9, Mar 73 (Eng. Abstr.) (Ita)**
[Respiratory functional changes in subjects exposed to chromium. I. Spirographic changes] Reggiani A, et al.
**Lav Um 25:23-7, Jan 73 (Eng. Abstr.) (Ita)**

### ETIOLOGY

Occupational, accidental, explorational carbon dioxide inhalation poisonings, and prevention. LaVerne AA, et al. **Behav Neuropsychiatry 4:33-48, Feb-Sep 73**
Radio-frequency energy: a hazard to workers? Odland LT. **Ind Med Surg 42:23-6, Jul-Aug 73**
Respiratory disease in cork workers ("suberosis"). Pimentel JC, et al. **Thorax 28:409-23, Jul 73**
[Ionizing radiation and its effect on sex glands, pregnancy and fetus (preliminary report)] Marinova G.
**Akush Ginekol (Sofiia) 12:210-3, 1973 (Eng. Abstr.) (Bul)**
Occupational damage to the peripheral nervous system (author's transl)] Delank HW.
**Z Neurol 205:71-81, 29 Aug 73 (Eng. Abstr.) (Ger)**

### OCCURRENCE

Rheumatoid pneumoconiosis. Documentation of onset and pathogenic considerations. Benedek TG.
**Am J Med 55:515-24, Oct 73 (55 ref.)**
Occupational asthma and rhinitis due to Western red cedar (Thuja plicata). Chan-Yeung M, et al.
**Am Rev Respir Dis 108:1094-102, Nov 73**
Epidemiology of professional noise-induced hearing loss. Ewertsen HW. **Audiology 12:453-8, Sep-Dec 73**
Coccidioidomycosis in Northern California. An outbreak among archeology students near Red Bluff. Werner SB, et al. **Calif Med 119:10-20, Sep 73**

[Risk of asbestosis in workers employed in replacing automobile brake linings] Boillat MA, et al. **Schweiz Med Wochenschr 103:1354-9, 29 Sep 73 (Fre)**

[Organization of physiotherapeutic service in coal mines and its role in lowering morbidity among miners] Tkachuk AI. **Vopr Kurortol Fizioter Lech Fiz Kult 37:458-62, Sep-Oct 72 (Rus)**

#### PHYSIOPATHOLOGY

Maximal expiratory flow and airway resistance during induced bronchoconstriction in patients with asthma due to Western red cedar (Thuja plicata). Chan-Yeung M. **Am Rev Respir Dis 108:1103-10, Nov 73**

[Orientational methods for individual evaluation of disorders of distribution and gas exchange in occupational chronic bronchopneumopathies] Serra R, et al. **Lav Um 25:1-22, Jan 73 (Eng. Abstr.) (Ita)**

#### PREVENTION & CONTROL

Today's approach to protecting employees from the heavy metals. Soule RD, et al. **Ind Med Surg 42:20-2 passim, Jul-Aug 73**

[Control and prevention of occupational cancers. Information from a report of the International Labor Organisation (I.L.O.) on a convention of experts] **Arch Geschwulstforsch 41:398-403, 1973 (Ger)**

#### THERAPY

On the management of professional voice disorders. Shapiro SL. **Eye Ear Nose Throat Mon 52:328-31, Sep 73**

[Physical methods of treating occupational diseases of the peripheral nervous system] Strelkova NI. **Vopr Kurortol Fizioter Lech Fiz Kult 37:385-9, Sep-Oct 72 (Rus)**

## OCCUPATIONAL HEALTH SERVICES

[After-hours occupation of public health physicians] Rieger HJ. **Dtsch Med Wochenschr 98:1679-80, 7 Sep 73 (Ger)**

[Aspects of occupational health in the developing countries] Wernsdorfer G, et al. **Munch Med Wochenschr 115:1321-8, 3 Aug 73 (Eng. Abstr.) (Ger)**

## OCCUPATIONS

Cigarette smoking and exposure to occupational hazards. Friedman GD, et al. **Am J Epidemiol 98:175-83, Sep 73**

Age and occupation: the determinants of male occupational age structures--hypothesis H and hypothesis A. Smith JM. **J Gerontol 28:484-90, Oct 73**

A follow-up study of unsuccessful applicants to medical schools. Becker MH, et al. **J Med Educ 48:991-1001, Nov 73**

Japanese psychology through Japanese literature. Cares of career, and careers of caretaking. Plath DW. **J Nerv Ment Dis 157:346-57, Nov 73**

[Discontinuations of professional occupation by eczema patients. Comments on this part of No. 46 of the list "Regulation on Occupational Diseases" dated June 20, 1968] Kühl M. **Berufsdermatosen 21:159-68, Aug 73 (Eng. Abstr.) (Ger)**

## OZONE

#### METABOLISM

Leaf age and air pollutant susceptibility: uptake of ozone and sulfur dioxide. Craker LE, et al. **Environ Res 6:91-4, Mar 73**

#### PHARMACODYNAMICS

Ultrastructure of pulmonary alveolar macrophages in situ in lungs from rats exposed to ozone. Plopper CG, et al. **Am Rev Respir Dis 108:632-8, Sep 73**

Cytochemically detected alterations of lung acid phosphatase reactivity following ozone exposure. Castleman WL, et al. **Lab Invest 29:310-9, Sep 73**

[Ozone for disinfection of water contaminated with vegetative and spore forms of bacteria, fungi, and viruses] Häufele A, et al. **Zentralbl Bakteriol [Orig B] 157:53-70, Apr 73 (Ger)**

#### TOXICITY

Acute effects of ozone on lungs of cats. I. Functional. Watanabe S, et al. **Am Rev Respir Dis 108:1141-51, Nov 73**

## PAINT

#### ADVERSE EFFECTS

Paint gun injection injury of the hand: a surgical emergency. Burke PJ, et al. **Med J Aust 2:276-8, 11 Aug 73**

## PARATHION

Photolysis of parathion (O,O-diethyl-O-(4-nitrophenyl)thiophosphate). New products. Grunwell JR, et al. **J Agric Food Chem 21:929-31, Sep-Oct 73**

#### PHARMACODYNAMICS

Acute and subacute parathion treatment: effects on cholinesterase activities and learning in mice. Reiter L, et al. **Toxicol Appl Pharmacol 25:582-8, Aug 73**

## PEAT

[Physical properties of restorative peat baths] Juchmes J, et al. **J Dent Assoc S Afr 28:23-7, Jan-Feb 73 (Fre)**

## PERSONAL HEALTH SERVICES

Your future lies ahead. Hallenbeck GA. **Ala J Med Sci 10:216-9, Apr 73**

Health information and referral services within Los Angeles County. Cauffman JG, et al. **Am J Public Health 63:872-7, Oct 73**

It's bad medicine-legally and morally. Wallace JD. **Can Med Assoc J 109:776 passim, 20 Oct 73**

#### SUPPLY & DISTRIBUTION

Resource allocation, equality of access, and health. Gish O. **Int J Health Serv 3:399-412, 1973**

The elderly and the community: reidentifying unmet needs. Markson EW, et al. **J Gerontol 28:503-9, Oct 73**

## PESTICIDES

#### ANALYSIS

Electron-donor-acceptor complexing reagents in the analysis of pesticides. VI. Influence of structure in detection and identification. MacNeil JD, et al. **Mikrochim Acta 5:641-50, 1973**

[Pesticides in children food (author's transl)] Pfeilsticker K. **Monatsschr Kinderheilkd 121:551-3, Aug 73 (Eng. Abstr.) (Ger)**

#### PHARMACODYNAMICS

The feeding behaviour of Phytoseiulus persimilis (Acarina: Phytoseiidae), particularly as affected by certain pesticides. Jackson GJ, et al. **Ann Appl Biol 75:165-71, Oct 73**

The mechanism of the myocardial depression produced by congeners of the acaricide, fenazaflor. Weetman DF, et al. **Arch Int Pharmacodyn Ther 203:342-7, Jun 73**

Pesticide effect on rumen microbial function. Schwartz CC, et al. **J Anim Sci 37:821-6, Sep 73**

#### POISONING

Wildlife review. The effects of pesticides on British wildlife. Cramp S. **Br Vet J 129:315-23, Jul-Aug 73**

[False neurological clinical aspects of subacute poisoning with organophosphoric pesticides] Nemţeanu E, et al. **Rev Med Chir Soc Med Nat Iasi 77:473-7, Jul-Sep 73 (Eng. Abstr.) (Rum)**

## PETROLEUM

Some physico-chemical properties of soot from fuel oil burners and automobile engines. Matsumura Y. **Atmos Environ 7:219-24, Feb 73**

Letter: What shall replace lead in gasoline? Levisohn SR. **N Engl J Med 289:1095, 15 Nov 73**

## PHOTOSENSITIZATION

#### CHEMICALLY INDUCED

Photosensitivity from nalidixic acid. Ramsay CA. **Proc R Soc Med 66:747, Aug 73**

[Photosensitization caused by drugs] Pathak MA, et al. **Internist (Berlin) 14:339-44, Jul 73 (Ger)**

#### DIAGNOSIS

The construction and development of a grating monochromator and its application to the study of the reaction of the skin to light. MacKenzie LA, et al. **Br J Dermatol 89:251-64, Sep 73**

[Letter: Chemical burns while bathing. A differential diagnostic report] Ippen H. **Dtsch Med Wochenschr 98:2048-9, Oct 73 (Ger)**

#### DRUG THERAPY

Thalidomide in the treatment of actinic prurigo. Londoño F. **Int J Dermatol 12:326-8, Sep-Oct 73**

#### ETIOLOGY

The action spectrum in polymorphic light eruption. Frain-Bell W, et al. **Br J Dermatol 89:243-9, Sep 73**

[Photosensitization] **Z Haut Geschlechtskr 48:467-9, 15 Jun 73 (Ger)**

#### PHYSIOPATHOLOGY

[Evoked visual potentials in twin sisters presenting excessive photosensitivity] Dimov S, et al. **Rev Electroencephalogr Neurophysiol Clin 2:308-11, Jul-Sep 72 (Fre)**

## PLASTICS

Brief communication: foreign-body tumorigenesis in mice: most probable number of originator cells. Brand KG, et al. **J Natl Cancer Inst 51:1071-4, Sep 73**

[Frigen 113 TR-T- a careful solvent for the cleaning of metal and metal-synthetic parts] Hümpfner K. **Zentralbl Arbeitsmed 23:179-80, Jun 73 (Ger)**

#### ADVERSE EFFECTS

[Catheter embolism of the central veins and the right heart caused by plastic materials] Soós J, et al. **Orv Hetil 114:2281-5, 23 Sep 73 (Hun)**

## PNEUMOCONIOSIS

#### ETIOLOGY

Experimental infective pneumoconiosis: effect of asbestos dust and Candida albicans infection on the lungs of rhesus monkeys. Zaidi SH, et al. **Environ Res 6:274-86, Sep 73**

Experimental infective manganese pneumoconiosis in guinea pigs. Zaidi SH, et al. **Environ Res 6:287-97, Sep 73**

Respiratory disease in cork workers ("suberosis"). Pimentel JC, et al. **Thorax 28:409-23, Jul 73**

#### PHYSIOPATHOLOGY

[Orthostatic and clinostatic reaction in patients with different degrees of pulmonary coniosis (author's transl)] Chaloupková E, et al. **Cas Lek Cesk 112:1129-32, 14 Sep 73 (Eng. Abstr.) (Cze)**

#### RADIOGRAPHY

Assessing change in the pneumoconioses using serial radiographs: sources and quantification of bias. Reger RB, et al. **Am J Epidemiol 98:243-54, Oct 73**

On the diagnosis of coalworker's pneumoconiosis. Anglo-American disharmony. Reger RB, et al. **Am Rev Respir Dis 108:1186-91, Nov 73**

The radiographic categorization of coal workers' pneumoconiosis by lay readers. Peters WL, et al. **Environ Res 6:60-7, Mar 73**

## POLLEN

The stimulation of pollen tube formation of Pinus silvestris by ultra-violet light. Zeiles L, et al. **Biophysik 9:357-63, 27 Jul 73**

Structural studies on antigen E of ragweed pollen. Griffiths BW. **Can J Biochem 51:1275-80, Sep 73**

The new biology of pollen. Vasil IK. **Naturwissenschaften 60:247-53, May 73**

## POPULATION CONTROL

Doctors and overpopulation. Morris G. **Br Med J 2:717, 23 Jun 73**

Editorial: Population and the new biology. **Lancet 2:834-5, 13 Oct 73**

[Population growth and attempt to forecast its development] Stoimenov G, et al. **Akush Ginekol (Sofiia) 12:179-87, 1973 (Bul)**

## POPULATION DENSITY

Letter: A system of equations for age-dependent population diffusion. Gurtin ME. **J Theor Biol 40:389-92, 15 Aug 73**

Contemporary population densities and human health. Factor RM, et al. **Nature 243:381-4, 15 Jun 73**

## POPULATION GROWTH

In-migration versus fertility as factors in Hawaii's population growth. Nordyke EC. **Hawaii Med J 32:207-12, Jul-Aug 73**

Test of selection and neutrality in natural populations. Nevo E. **Nature 244:573-5, 31 Aug 73**

Population in relation to development, resources, and

health. Lebowitz MD.
**Perspect Biol Med 16:599-604, Summer 73**
[Population growth and attempt to forecast its development] Stoimenov G, et al.
**Akush Ginekol (Sofiia) 12:179-87, 1973 (Bul)**

## POULTRY PRODUCTS

### ANALYSIS

Residues of prophylactics in animal products. 3. The determination of carbarsone in poultry meat. Hoodless RA, et al. **Analyst 98:502-5, Jul 73**

## POVERTY

Meeting the dental treatment needs of indigent rural children. Heise AL, et al.
**Health Serv Rep 88:591-600, Aug-Sep 73**
Use of mental health services by poverty and nonpoverty members of a prepaid group practice plan. Weiss J, et al. **Health Serv Rep 88:653-62, Aug-Sep 73**
Public health training among the rural poor in Jamaica: some effects on medical students' concept modification and self-evaluation. Clayson D.
**Psychiatr Q 47:124-31, 1973**

## PRENATAL CARE

A study of risks, medical care, and infant mortality. 4. Methodological considerations. Chase HC.
**Am J Public Health 63:41-56, Sep 73**
A study of risks, medical care, and infant mortality. 1. Selected substantive results. Chase HC.
**Am J Public Health 63:3-16, Sep 73**
A study of risks, medical care, and infant mortality. 3. Education of mother, medical care, and condition of infant. Chase HC, et al.
**Am J Public Health 63:27-40, Sep 73**
Care and feeding of the foetus. Some social implications. Dolin M. **NS Med Bull 52:190-1, Oct 73**
Fixed by agreement. Slark AG.
**NZ Med J 78:75-6, 25 Jul 73**
Perinatal medicine. Gluck L.
**South Med J 66:1088-9, Oct 73**
An ante-natal record card for use in developing countries. Hartfield VJ. **Trop Doct 3:171-3, Oct 73**
[Importance and results of advice to pregnant women (author's transl)] Möbius W, et al.
**Munch Med Wochenschr 115:1541-8, 14 Sep 73 (Eng. Abstr.) (Ger)**

## PREVENTIVE HEALTH SERVICES

Professional services relative to conservation of hearing in industry. Cluff GL. **ASHA 15:339-42, Jul 73**

## PREVENTIVE MEDICINE

The effectiveness of the epidemiological approach to syphilis control. Brown WJ, et al.
**J Reprod Med 11:123-4, Sep 73**
[Indication, procedure and evaluation of blood-chemical profiles--a medical task?] Kattermann R. **Med Welt 24:893-6, 25 May 73 (Ger)**
[Preventive activity of O.N.M.I (Opera Nazionale Maternita è Infanzia) in the province of Matera] Padula M. **Minerva Med 64:2727-9, 7 Jul 73 (Ita)**

## PROSPECTIVE STUDIES

Success of randomization in a controlled contraceptive experiment. Fuertes-de la Haba A, et al.
**J Reprod Med 11:142-8, Oct 73**
[Editorial: Problems in the performance of prospective controlled trials about surgical treatment procedures (author's transl)] Lorenz W, et al.
**Klin Wochenschr 51:475-6, 15 May 73 (Eng. Abstr.) (Ger)**

## PROTECTIVE CLOTHING

Radiation penetrance of protective covers. Kovarik M.
**J Appl Physiol 35:562-3, Oct 73**
Ambient head temperature and football helmet design. Coleman AE, et al. **Med Sci Sports 5:204-8, Fall 73**
[New kinds of sanitary protective clothing for veterinary workers] Nikol'skif BA.
**Veterinariia 9:42-3, Sep 72 (Rus)**

## PROTECTIVE DEVICES

Letter: Anaesthetic safety devices.
**Br Med J 4:105, 13 Oct 73**
A smiple system to block toddlers form reaching toxic ingestibles: add a spring and two latches to all doors where danger lurks. Lillibridge CB.
**Clin Pediatr (Phila) 12:441-4, Jul 73**
Role of external support in the prevention of ankle sprains. Garrick JG, et al.
**Med Sci Sports 5:200-3, Fall 73**
[An effective means of protection of the auditory function from noises] Tričković KS.
**Lav Um 25:51-5, Mar 73 (Ita)**

## PUBLIC HEALTH

Public health nursing section report of the 1972 APHA smoking survey. Eyres SJ.
**Am J Public Health 63:846-52, Oct 73**
APHA and the affiliates. Kerr LE.
**Am J Public Health 63:838-40, Oct 73**
Housing and health--a new approach. Richter ED, et al.
**Am J Public Health 63:878-83, Oct 73**
Podiatry and public health: a 7-year experience in the District of Columbia. Shapiro J.
**Am J Public Health 63:853-6, Oct 73**
An international study of health and general systems of financing health care. Fraser RD.
**Int J Health Serv 3:369-97, 1973**
The role of public education in VD control. Kampmeier RH. **J Reprod Med 11:165-8, Oct 73**
Program prototypes: programs in New York City. Santora FJ. **J Reprod Med 11:171-2, Oct 73**
Community health aspects of water pollution problems. Walker B, et al. **Med Ann DC 42:498-502, Oct 73**
Population in relation to development, resources, and health. Lebowitz MD.
**Perspect Biol Med 16:599-604, Summer 73**
Psittacosis: a danger to public health. Stewart SJ.
**Vet Rec 93:25-6, 7 Jul 73**
Laboratory animals and public health.
**WHO Chron 27:352-5, Sep 73**
[Application of mathematical principles in medicine and public health] **Chin Med J 9:570-6, 1973 (Chi)**
[Mercury pollution and public health] André R.
**J Pharm Belg 28:265-77, Mar-Apr 73 (Fre)**

### EDUCATION

Public education of the high risk population. Harbridge R. **J Reprod Med 11:169-70, Oct 73**
Public health training among the rural poor in Jamaica: some effects on medical students' concept modification and self-evaluation. Clayson D.
**Psychiatr Q 47:124-31, 1973**

### HISTORY

[The formation of the USSR--a triumph of Leninist national policy of the Party]
**Khirurgiia (Mosk) 48:3-8, Dec 72 (Rus)**
[Development of public health in the Chuvash ASSR] Filippov IF. **Zdravookhr Ross Fed 17:3-7, Jun 73 (Rus)**
[Statistical data on the development of hospital medical aid in the RSFSR] Ivakina VN.
**Zdravookhr Ross Fed 17:34-43, Jun 73 (Rus)**

## PULMONARY EMPHYSEMA

### OCCURRENCE

Emphysema in Nigeria and in the English Midlands: a comparative incidence study. Alli AF.
**J Pathol 110:pvi, Jul 73**
[Incidence of chronic bronchitis and pulmonary emphysema in the population of 3 villages of the Lublin Province] Durda M, et al.
**Pol Arch Med Wewn 50:895-902, Sep 73 (Pol)**

### PATHOLOGY

The pattern of development of emphysema in the human lung. Pump KK.
**Am Rev Respir Dis 108:610-20, Sep 73**

### THERAPY

Recommendations for continuous oxygen therapy in chronic obstructive lung disease. Report of the Committee on Emphysema. American College of Chest Physicians. **Chest 64:505-7, Oct 73**

## PYRETHRUM

New potent pyrethroid, bromethrin. Brown DG, et al.
**J Agric Food Chem 21:767-9, Sep-Oct 73**
Potent pyrethroid insecticides from modified cyclopropane acids. Elliott M, et al.
**Nature 244:456-7, 17 Aug 73**

## RADIATION PROTECTION

Letter: Diagnostic radiology and the fetus. Wright FW.
**Br Med J 3:693-4, 29 Sep 73**
Radiation penetrance of protective covers. Kovarik M.
**J Appl Physiol 35:562-3, Oct 73**
Practical course in liquid scintillation counting. 8. Hazard and safety aspects of liquid scintillation counting. Price LW. **Lab Pract 22:571-4, Sep 73**
Measurement: the key to exposure with manual techniques. Eastman TR.
**Radiol Technol 45:75-8, Sep-Oct 73**
[Ionizing radiation and its effect on sex glands, pregnancy and fetus (preliminary report)] Marinova G.
**Akush Ginekol (Sofiia) 12:210-3, 1973 (Eng. Abstr.) (Bul)**

## RAILROADS

[Quantitative study of major pollutants emitted from diesel engines]
**Chin Med J 1:57-9, 1973 (Eng. Abstr.) (Chi)**

## REFUSE DISPOSAL

Solid waste and water quality. Heidman JA, et al.
**J Water Pollut Control Fed 45:1198-202, Jun 73**

## RESTAURANTS

[Organization and technic of school food programs--in comparison with American methods] Sell W.
**Gesund Ing 94:201-6, Jul 73 (Ger)**

## RNA

### BIOSYNTHESIS

Cerebellar development in the rat after early postnatal damage by methylazoxymethanol: DNA, RNA and protein during recovery. Chanda R, et al.
**J Neurochem 21:547-55, Sep 73**

## RODENT CONTROL

Prospects of chemosterilant and genetic control of rodents. Marsh RE, et al. **Bull WHO 48:309-16, 1973**
Sterilization of rodent and other pests using a synthetic oestrogen. Kendle KE, et al. **Nature 244:105-8, 13 Jul 73**
[Protection of livestock buildings from damage by murine rodents] Griner AA, et al.
**Veterinariia 9:39-42, Sep 72 (Rus)**

## ROTENONE

### PHARMACODYNAMICS

Role of citrate carrier in citrate mediated succinate (+ rotenone) oxidation. Popinigis J, et al.
**FEBS Lett 32:339-42, 1 Jun 73**
Resolution and reconstitution of the mitochondrial electron transport system. IV. The reconstitution of rotenone-sensitive reduced nicotinamide adenine dinucleotide-ubiquinone reductase from reduced nicotinamide adenine dinucleotide dehydrogenase and phospholipids. Ragan CI, et al.
**J Biol Chem 248:6876-84, 10 Oct 73**

## RURAL HEALTH

Selected aspects of the health of old people in rural Buganda. Kakande ML, et al.
**Drug Ther Bull 49:970-82, Dec 72**
Meeting the dental treatment needs of indigent rural children. Heise AL, et al.
**Health Serv Rep 88:591-600, Aug-Sep 73**
University trains students for the "twentieth specialty." Let's put the family doctor back into our small towns.
**J Med Assoc State Ala 43:285 passim, Oct 73**
Viewpoint of a rural general practitioner. Clark AM.
**NS Med Bull 52:207-8, Oct 73**
Letter: Pediatrics in the sticks. Reeds TO.
**Pediatrics 52:748-9, Nov 73**
[Current hygienic and sanitary problems in central water supply, an essential factor in the planning of rural population centers] Zamfir G, et al.
**Rev Med Chir Soc Med Nat Iasi 77:497-502, Jul-Sep 73 (Eng. Abstr.) (Rum)**

### HISTORY

The influence of the automobile on rural health care, 1900-29. Berger ML. **J Hist Med 28:319-35, Oct 73**

## RURAL POPULATION

Infant growth in urban and rural Maharashtra. Phadke MV, et al. **Indian Pediatr 10:387-90, Jun 73**

## SANITARY ENGINEERING

[View-points concerning technical procedure for light fluid separation] Rumpf H, et al.
**Gesund Ing 94:225-35, Aug 73 (Ger)**
[Hygiene problems in the supply of drinking water from deep wells. Weber G, et al.
**Zentralbl Bakteriol [Orig B] 157:89-93, Apr 73 (Eng. Abstr.) (Ger)**

## SEWAGE

Emission of microbial aerosols from sewage treatment plants that use trickling filters. Goff GD, et al.
**Health Serv Rep 88:640-52, Aug-Sep 73**
Wastewater treatment: detergents. Banerji SK.
**J Water Pollut Control Fed 45:1059-63, Jun 73**
Basic sanitary services: the WHO programme for the advancement and transfer of knowledge and methods in community water supply and wastes disposal.
**WHO Chron 27:430-2, Oct 73**

Comparative studies on the isolation of salmonella from effluents. Kampelmacher EH, et al.
**Zentralbl Bakteriol [Orig B] 157:71-7, Apr 73**
[View-points concerning technical procedure for light fluid separation] Rumpf H, et al.
**Gesund Ing 94:225-35, Aug 73 (Ger)**

#### ANALYSIS

[Fluorescence spectroscopic determination of anti-ovulatory steroids in water and waste water on thin layer chromatography plate] Kirchner M, et al.
**Zentralbl Bakteriol [Orig B] 157:44-52, Apr 73 (Eng. Abstr.) (Ger)**

## SHELLFISH

#### ADVERSE EFFECTS

Letter: Hepatitis from clams. Bryan JA, et al.
**JAMA 226:566, 29 Oct 73**

## SINGLE PERSON

Psychological problems of abortion for the unwed teenage girl. Martin CD.
**Genet Psychol Monogr 88:23-110, Aug 73**

## SMOKING

Cigarette smoking and exposure to occupational hazards. Friedman GD, et al.
**Am J Epidemiol 98:175-83, Sep 73**
A study of Hemophilus influenzae precipitins in the serum of working men in relation to smoking habits, bronchial infection, and airway obstruction. May JR, et al. **Am Rev Respir Dis 108:460-8, Sep 73**
Editorial: Smoking substitutes.
**Can Med Assoc J 109:455, 15 Sep 73**
Thiocyanate and smoking in pregnancy. Andrews J.
**J Obstet Gynaecol Br Commonw 80:810-4, Sep 73**
An evaluation of the effects of smoking on maternal oestriol excretion during pregnancy and on fetal outcome. Targett CS, et al.
**J Obstet Gynaecol Br Commonw 80:815-21, Sep 73**
Letter: Smoking and carboxyhaemoglobin. Ashton H, et al. **Lancet 2:857-8, 13 Oct 73**
Letter: carbon monoxide and smoking. Cole P.
**Lancet 2:795, 6 Oct 73**
Letter: Association of autoantibodies with smoking, cardiovascular morbidity, and death in the Busselton population. Fowler PB, et al. **Lancet 2:862, 13 Oct 73**
Association of autoantibodies with smoking, cardiovascular morbidity, and death in the Busselton population. Mathews JD, et al. **Lancet 2:754-8, 6 Oct 73**
Letter: Smoke on the ward. Tinckler LF.
**Lancet 2:858, 13 Oct 73**
Letter: Formation of molecular nitrogen by a burning cigarette. Johnson WR, et al. **Nature 244:51-2, 6 Jul 73**

#### COMPLICATIONS

Quantitative analysis of the alveolar plateau in the diagnosis of early airway obstruction. Buist AS, et al.
**Am Rev Respir Dis 108:1078-87, Nov 73**
Mortality in twins in relation to smoking habits and alcohol problems. Friberg L, et al.
**Arch Environ Health 27:294-304, Nov 73**
Letter: Relative risks of obesity and smoking. Khosla T, et al. **Br Med J 4:106, 13 Oct 73**
Letter: Carbon-monoxide yield of cigarettes. Russell MA, et al. **Lancet 2:973-4, 27 Oct 73**
Letter: Smoking tables for carbon monoxide? Wald N, et al. **Lancet 2:907-8, 20 Oct 73**
Letter: Smoking, pregnancy and publicity. Burch PR.
**Nature 245:277, 5 Oct 73**
Letter: Smoking and pregnancy. Goldstein H.
**Nature 245:277, 5 Oct 73**
Smoking, pregnancy and publicity.
**Nature 245:61, 14 Sep 73**
[Relationship between chronic bronchitis and bronchial obstruction in persons exposed to dust. II. Relationship between smoking, silicosis and bronchial obstruction] Mándi A, et al.
**Orv Hetil 114:2477-82, 14 Oct 73 (Hun)**
[Effect of tobacco smoking and cement dust on hyperreactivity of the bronchial tree to histamine] Durda M.
**Pol Tyg Lek 28:1261-3, 13 Aug 73 (Eng. Abstr.) (Pol)**

#### OCCURRENCE

Public health nursing section report of the 1972 APHA smoking survey. Eyres SJ.
**Am J Public Health 63:846-52, Oct 73**
Changes in cigarette smoking by women--an analysis, 1966 and 1970. Green DE, et al.
**Health Serv Rep 88:631-6, Aug-Sep 73**

## SOCIAL ADJUSTMENT

Subjects' recent life changes and coronary heart disease in Finland. Rahe RH, et al.
**Am J Psychiatry 130:1222-6, Nov 73**
Educational and social development among intensively treated young patients having cerebral palsy. Scherzer AL, et al.
**Arch Phys Med Rehabil 54:478-84, Oct 73**
Social and emotional adjustment of retarded CP infants. Banham KM. **Except Child 40:107, Oct 73**
The social readjustment scale and anxiety: a cross-cultural study. Lauer RH.
**J Psychosom Res 17:171-4, Jul 73**

## SOCIAL CHANGE

Health effects of modernization in Palau. Labarthe D, et al. **Am J Epidemiol 98:161-74, Sep 73**
Alternatives in child rearing in the 1970s. Eiduson BT, et al. **Am J Orthopsychiatry 43:720-31, Oct 73**
Eclampsia and social change in the tropics. Baird D.
**Br Med J 2:716-7, 23 Jun 73**
Presidential address. Santy AC.
**Bull NY Acad Med 49:943-8, Nov 73**
Changes in cigarette smoking by women--an analysis, 1966 and 1970. Green DE, et al.
**Health Serv Rep 88:631-6, Aug-Sep 73**
The medical technologist's changing environment. Heath MC. **Hosp Prog 54:82-5, Oct 73**
The physician manpower question revisited. Kralewski JE, et al. **Hospitals 47:53-5, 16 Oct 73**
Nihilism and despair, rebirth and repair. A psychoanalytic view of the adolescent crisis. Mintz IL.
**J Med Soc NJ 70:631-6, Sep 73**
Theoretical considerations involved in the process of change. Rodgers JA. **Nurs Forum 12:160-74, 1973**
Editorial: The gynecologist and the sexually liberated woman. Jorgensen V. **Obstet Gynecol 42:607-11, Oct 73**
Who joins Women's Liberation? Stoloff C.
**Psychiatry 36:325-40, Aug 73**

## SOCIAL CONDITIONS

Religious delusions in counter-culture patients. Levinson P. **Am J Psychiatry 130:1265-9, Nov 73**
Letter: Women's lib. McKilligin HR.
**Can Med Assoc J 109:573-4, 6 Oct 73**
Doctors and social responsibility. Myrden JA.
**NS Med Bull 52:181, Oct 73**
[Letter: social indications for sterilization] Rieger HJ.
**Dtsch Med Wochenschr 98:1781-2, 21 Sep 73 (Ger)**
[Social causes of drug consumption of adolescents] Täschner KL, et al.
**Psychiatr Neurol Med Psychol (Leipz) 25:208-15, Apr 73 (Eng. Abstr.) (Ger)**

## SOCIAL ENVIRONMENT

Historical background in children with affective disorders. McKnew DH Jr, et al.
**Am J Psychiatry 130:1278-80, Nov 73**
Effects of rearing complexity on dendritic branching in frontolateral and temporal cortex of the rat. Greenough WT, et al. **Exp Neurol 41:371-8, Nov 73**
Use of the learning environment questionnaire to assess curricular change. Levy M, et al.
**J Med Educ 48:840-5, Sep 73**
Nihilism and despair, rebirth and repair. A psychoanalytic view of the adolescent crisis. Mintz IL.
**J Med Soc NJ 70:631-6, Sep 73**
[Social environment and family situation in drug addiction endangered adolescents] Stahl CD, et al.
**Prax Kinderpsychol Kinderpsychiatr 22:230-5, Aug-Sep 73 (Ger)**

## SOCIOECONOMIC FACTORS

Industrial development and the elderly: a longitudinal analysis. Clemente F, et al. **J Gerontol 28:479-83, Oct 73**
Editorial: Social disadvantage. **Lancet 2:952-3, 27 Oct 73**
[Socioepidemiological study on chronic recurrent iridocyclitis] Neumann M.
**Dtsch Gesundheitsw 28:804-7, 4 Apr 73 (Eng. Abstr.) (Ger)**

## SOCIOMETRIC TECHNICS

Sociometric status and cognitive style in kindergarten children. Dreyer AS, et al.
**Percept Mot Skills 37:407-12, Oct 73**

## SOIL

Decomposition of methomyl in soil. Harvey J Jr, et al.
**J Agric Food Chem 21:784-6, Sep-Oct 73**
Fate of aldrin-14C in sugar beets and soil under outdoor conditions. Kohli J, et al.
**J Agric Food Chem 21:855-7, Sep-Oct 73**

## SPORT MEDICINE

Horse-play: survey of accidents with horses. Barber HM. **Br Med J 3:532-4, 8 Sep 73**
Letter: Surfer's chest knots. Tashima CK.
**JAMA 226:468, 22 Oct 73**
Medical and psychological problems in the 1972 singlehanded transatlantic yacht race. Bennet G.
**Lancet 2:747-54, 6 Oct 73**
Olympics 1972: an evaluation of selected winning performances. Craig AB Jr.
**Med Sci Sports 5:191-4, Fall 73**
The anthropometric estimation of body density and lean body weight of male athletes. Forsyth HL, et al.
**Med Sci Sports 5:174-80, Fall 73**
Development of results in international rowing championships 1893-1971. Secher N.
**Med Sci Sports 5:195-9, Fall 73**
Sports medicine symposium, weight cutting and wrestling. Amundson LH. **SD J Med 26:31-5, Oct 73**
[Acid-base equilibrium and lactate level in the arterial blood of rowers following Olympic games] Kindermann W, et al.
**Med Welt 24:1176-8, 27 Jul 73 (Ger)**

## STRESS, PSYCHOLOGICAL

Stress and strain in student helicopter pilots. Billings CE, et al. **Aerosp Med 44:1031-5, Sep 73**
The crisis-prone staff nurse. Oberst MT.
**Am J Nurs 73:1917-21, Nov 73**
The evolution of the stress concept. Selye H.
**Am Sci 61:692-9, Nov-Dec 73**
Letter: Antecedents of myocardial infarction. Russell AS. **Can Med Assoc J 109:571 passim, 6 Oct 73**
Measurement of annoyance due to exposure to environmental factors. The fourth Karolinska Institute Symposium on Environmental Health.
**Environ Res 6:1-36, Mar 73**
Excretion of catecholamines in urine under conditions of emotional stress (shocking movies). Wróblewski TE, et al. **Int Z Angew Physiol 31:327-31, 20 Jul 73**
Social status and stressful life events. Dohrenwend BS.
**J Pers Soc Psychol 28:225-35, Nov 73**
The life events inventory: a measure of the relative severity of psycho-social stressors. Cochrane R, et al.
**J Psychosom Res 17:135-40, Mar 73**
Psychological aspects of migraine. Henryk-Gutt R, et al.
**J Psychosom Res 17:141-53, Mar 73**
Age and temperament effects on maze performance under speed and accuracy stress. Davies AD.
**Percept Mot Skills 37:502, Oct 73**
Crowding among hunter-gatherers: the Kung Bushmen. Draper P. **Science 182:301-3, 19 Oct 73**
[Quantitative analyses of evoked potentials for neurophysiological characterization of defective learning processes in the pathogenesis of experimental arterial hypertension] Baumann H, et al.
**Acta Biol Med Ger 30:675-96, May 73 (Eng. Abstr.) (Ger)**
[Influence of a social-emotional environmental stress on the functional status of neocortical structures in the rhesus monkey] Martin G, et al.
**Acta Biol Med Ger 30:665-73, May 73 (Eng. Abstr.) (Ger)**

#### COMPLICATIONS

Diabetes and trauma. Arnold LC.
**Med Trial Tech Q 20:89-98, Summer 73**

## SULFUR DIOXIDE

#### ADVERSE EFFECTS

Role of relative humidity in the synergistic effect of a sulfur dioxide-aerosol mixture on the lung. McJilton C, et al. **Science 182:503-4, 2 Nov 73**

#### METABOLISM

Leaf age and air pollutant susceptibility: uptake of ozone and sulfur dioxide. Craker LE, et al.
**Environ Res 6:91-4, Mar 73**

#### TOXICITY

The effect of SO2 on lung clearance of TiO2 particles in rats. Ferin J, et al. **Am Ind Hyg Assoc J 34:260-3, Jun 73**

## SUNLIGHT

Radiation penetrance of protective covers. Kovarik M.
**J Appl Physiol 35:562-3, Oct 73**
Role of sun exposure in the etiology of malignant melanoma: epidemiologic inference. Movshovitz M, et al. **J Natl Cancer Inst 51:777-9, Sep 73**
[Use of sun baths in the complex health resort and climatotherapy of the sequelae of closed cranial injury] Leshchinskaia NP.
**Vopr Kurortol Fizioter Lech Fiz Kult 38:214-7, May-Jun 73 (Rus)**

## SWEETENING AGENTS

#### METABOLISM

Metabolism of aspartame in monkeys. Oppermann JA, et al. **J Nutr 103:1454-9, Oct 73**

PHARMACODYNAMICS

Effect of aspartame on phenylalanine metabolism in the monkey. Oppermann JA, et al.
J Nutr 103:1460-6, Oct 73

## TEXTILES

STANDARDS

Flame-resistant fabrics. Lehman HH.
Hospitals 47:98-106, 16 Oct 73

## TRANSIENTS AND MIGRANTS

Migrant populations and the diffusion of the sickle-cell gene. Gelpi AP.
Ann Intern Med 79:258-64, Aug 73 (68 ref.)

[Problems of economy, industrial medicine and foreign labor in Tunisia] Last G, et al.
Munch Med Wochenschr 115:1329-35, 3 Aug 73 (Eng. Abstr.) (Ger)

## TRAVEL

Associations among distance, patient satisfaction, and utilization of two types of inner-city clinics. Brooks CH. Med Care 11:373-83, Sep-Oct 73

Effects of active magnetic fields on permanently implanted triggered pacemakers. Smyth NP, et al.
Med Instrum 7:189-95, May-Aug 73

Cholera: advice for travelers.
Med Lett Drugs Ther 15:82-3, Sep 73

[Deuterium and oxygen-18 contents in the body fluids of man and their deviations due to change of location] Zimmermann U, et al.
Naturwissenschaften 60:243-6, May 73 (Eng. Abstr.) (Ger)

## URBAN POPULATION

The focality of urban tuberculosis. A look at Boston and its South End. LaForce FM, et al.
Am Rev Respir Dis 108:553-8, Sep 73

Infant growth in urban and rural Maharashtra. Phadke MV, et al. Indian Pediatr 10:387-90, Jun 73

Self-concept measurement and placement of adolescent inner-city EMRs. Kahn JV, et al.
Train Sch Bull (Vinel) 70:80-3, Aug 73

## VACCINATION

Vaccination against communicable diseases. Krugman S, et al. Am J Dis Child 126:406-8, Sep 73

Letter: Smallpox vaccination. Moghadam H.
Can Med Assoc J 109:458 passim, 15 Sep 73

Serological types of whooping cough bacteria and their connection with immunity in vaccinated children. Demina AA, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 17:304-15, Mar 73

The effect of the number of incisions used in primary vaccination against smallpox on the intensity of antibody formation: a preliminary communication. Shneyderman AE, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 17:257-60, Mar 73

Measles epidemiology and control in Western Nigeria. Grigsby ME, et al. J Natl Med Assoc 65:378-85, Sep 73

Influenza vaccination in a training establishment. Gill JB, et al. J R Nav Med Serv 59:56-8, Summer 73

Whooping cough vaccine at birth. Abayomi I, et al.
J Trop Pediatr 19:3-4, Sep 73

Induction of immunity in man by crystalline adenovirus type 5 capsid antigens. Couch RB, et al.
Proc Soc Exp Biol Med 143:905-10, Sep 73

Maternal vaccination with formalin-inactivated Gross lymphoma virus in rats and transfer of immunity to offspring. Ioachim HL, et al.
Proc Soc Exp Biol Med 144:376-9, Nov 73

[Effects of smallpox vaccination. Notes on the work of K. H. Richter et al., Münch, Med. Wschr. 114, 35 1496-1502, (1972)] Buchwald G.
Munch Med Wochenschr 115:1400, 10 Aug 73 (Ger)

[Value of smallpox vaccination. Correction of G. Buchwald's comments] Richter KH.
Munch Med Wochenschr 115:1401-2, 10 Aug 73 (Ger)

[Presence of enteroviruses in children's communities in urban areas during anti-polio vaccination periods] Avram G, et al.
Rev Med Chir Soc Med Nat Iasi 77:513-8, Jul-Sep 73 (Eng. Abstr.) (Rum)

[Specific prevention of measles in Rumania. V. Studies on an attenuated live measles virus vaccine prepared at the Stefan S. Nicolau Institute of Virology and administered in various ways] Cajal N, et al.
Stud Cercet Virusol 24:349-56, 1973 (Eng. Abstr.) (Rum)

[Study of the effectiveness of an inactivated influenza vaccine in intra nasal administration. II. Observations made during the epidemic of December 1972] Cajal N, et al.
Stud Cercet Virusol 24:357-62, 1973 (Eng. Abstr.) (Rum)

[Experimental study of simultaneous measles and mumps immunization] Cernescu C, et al.
Stud Cercet Virusol 24:363-8, 1973 (Eng. Abstr.) (Rum)

ADVERSE EFFECTS

Contraindications to smallpox vaccination. Christie AB.
Br Med J 2:714, 23 Jun 73

Cutaneous complications of smallpox vaccination scars. Onwukwe MF. Int J Dermatol 12:290-4, Sep-Oct 73

HISTORY

Edward Jenner. (Jenner E), Le Fanu WR.
Proc R Soc Med 66:664-8, Jul 73

VETERINARY

Renal leptospirosis: exposure of vaccinated and nonvaccinated swine to Leptospira icterohaemorrhagiae and Leptospira canicola. Shibley GP, et al. Am J Vet Res 34:1171-3, Sep 73

Observations on the intranasal vaccination of pregnant cattle against infectious bovine rhinotracheitis and parainfluenza-3 virus infection. Kahrs RF, et al.
J Am Vet Med Assoc 163:437-41, 1 Sep 73

[Aerosol vaccination of poultry against pseudoplaque] Kachakhidze AV, et al.
Veterinariia 9:63-4, Sep 72 (Rus)

[Simultaneous vaccination of sheep against 3 infections] Safarov IuB, et al.
Veterinariia 9:62-3, Sep 72 (Rus)

## ZOONOSES

Animals in schools. Bleby J. Vet Rec 93:26, 7 Jul 73

[Two cases of skin anthrax due to a single source of infection] Fliegner L. Hautarzt 24:356-8, Aug 73 (Ger)

[Epidemics of leptospirosis and ornithosis in unusual epidemiological conditions] Oană C, et al.
Rev Med Chir Soc Med Nat Iasi 77:519-22, Jul-Sep 73 (Eng. Abstr.) (Rum)

DRUG THERAPY

[Current therapy of zoonoses] Gilliet F.
Praxis 62:1129-34, 11 Sep 73 (Ger)

# AUTHOR SECTION

## A

**Abayomi I, Woodland M, Morley D:** Whooping cough vaccine at birth. J Trop Pediatr 19:3-4, Sep 73

**Abelle KG van den see Anet P**

**Achilov U:** Klinike-immunologicheskie paralleli pri malosimptomnykh formakh dizenterii, protekaiushchikh pod vidom zdorovogo bakterionositel'stva. Pediatriia 51:41-4, May 73 (Rus)

**Ackermann H:** Burgräume als Arbeitsräume? Gedanken über den Einsturz der Burg Brattenstein. Zentralbl Arbeitsmed 23:167-73, Jun 73 (Ger)

**Ackermann R see Rehse-Küpper B**

**Adams AP see Goff GD**

**Adams J, McIntosh EI, Weade BL:** Ethnic background, measured intelligence, and adaptive behavior scores in mentally retarded children. Am J Ment Defic 78:1-16, Jul 73

**Adetosoye JI see Grigsby ME**

**Adler FO see Wennberg LA**

**Adriani J see Dalili H**

**Aeling JL, Panagotacos PJ, Andreozzi RJ:** Letter: Allergic contact dermatitis to vitamin E aerosol deodorant. Arch Dermatol 108:579-80, Oct 73

**Aftergood L see Alfin-Slater RB**

**Ager EA see Nelson KE**

**Ahmad I, Whitson TC:** Formaldehyde: how much of a hazard? Ind Med Surg 42:26-7, Sep 73

**Akers TG, Prato CM, Dubovi EJ:** Airborne stability of simian virus 40. Appl Microbiol 26:146-8, Aug 73

**Alexander J see Elduson BT**

**Alfin-Slater RB, Wells P, Aftergood L, et al:** Safety of nuts heat-processed in molten hexitols. J Am Oil Chem Soc 50:348-52, Sep 73

**Ali MR:** Laboratory note. Cortical habituation response to coloured lights and its relation to perception of stimulus duration. Electroencephalogr Clin Neurophysiol 35:550-2, Nov 73

**Allen AM:** Epidemic Trichophyton mentagrophytes infections in servicemen. Source of infection, role of environment, host factors, and susceptibility. JAMA 226:864-7, 19 Nov 73

**Alli AF:** Emphysema in Nigeria and in the English Midlands: a comparative incidence study. J Pathol 110:pvi, Jul 73

**Allwood GG see Asherson GL**

**Almeida JD:** Control of Australia antigen-positive hepatitis within haemodialysis units. Proc R Soc Med 66:798, Aug 73

**Alroy G see Peiled B**

**Altenbach JS see Petit MG**

**Altman RF:** Short communication. Carcinogenicity of cholesterol inhibited by phospholipids. Arch Geschwulstforsch 41:107-9, 1973

**Amandus HE see Reger RB**

**Amos HE see Nishioka K**

**Amundson LH:** Sports medicine symposium, weight cutting and wrestling. SD J Med 26:31-5, Oct 73

**Andersen RA:** Carcinogenicity of phenols, alkylating agents, urethan, and a cigarette-smoke fraction in Nicotiana seedlings. Cancer Res 33:2450-5, Oct 73

**Anderson GS, Penfold JB:** An outbreak of diphtheria in a hospital for the mentally subnormal. J Clin Pathol 26:606-15, Aug 73

**Anderson JP, Fraser FM, Burns K:** Attitudes of Nova Scotia physicians to child abuse. NS Med Bull 52:185-9, Oct 73

**Anderson KV see Shear CR**

**Anderson VL see Bishara RH**

**Andrade JH see Borghelli RF**

**André R:** Pollution par le mercure et santé publique. J Pharm Belg 28:265-77, Mar-Apr 73 (Fre)

**Andreozzi RJ see Aeling JL**

**Andrews J:** Thiocyanate and smoking in pregnancy. J Obstet Gynaecol Br Commonw 80:810-4, Sep 73

**Andryushchenko AS, Shapiro ES, Isaev LA, et al:** Illuminator for ophthalmological instruments. Biomed Eng (NY) 7:108-9, Mar-Apr 73

**Anet P, Brouns H, Abelle KG van den, et al:** Hyperlipidemies chez le personnel navigant. (Aviation civile. Acta Cardiol (Brux) Suppl 15:75-85, 1972 (Fre)

**Angsusingha K see Kenny FM**

**Anthonisen NR see Doell D**

**Antkiewicz L see Grabowska M**

**Apostol S, Gavăt V:** Considerente igienico-sanitare privind utilizarea pesticidului dipterex. Rev Med Chir Soc Med Nat Iasi 77:417-21, Jul-Sep 73 (Rum)

**Arai M see Ito N**

**Ardatova AN see Ivanaevskiĭ VS**

**Arensdorf AM see McDermott JF Jr**

**Arfaa F see Mobedi I**

**Armstrong RG, Stanford W, Cline RE, et al:** The stone heart. Development of a canine model, with ultrastructural survey and metabolic manipulation. Ann Thorac Surg 16:480-91, Nov 73

**Arnold LC:** Diabetes and trauma. Med Trial Tech Q 20:89-98, Summer 73

**Arquembourg P see Kawal T**

**Arrobio JO see Brandt CD**

**Ashby FN see Bermant G**

**Asherson GL, Allwood GG, Mayhew B:** Contact sensitivity in the mouse. XI. Movement of T blasts in the draining lymph nodes to sites of inflammation. Immunology 25:485-94, Sep 73

**Asherson GL, Barnes RM:** Contact sensitivity in the mouse. XII. The use of DNA synthesis in vivo to determine the anatomical location of immunological unresponsiveness to picryl chloride. Immunology 25:495-508, Sep 73

**Asherson GL, Feriuga J:** Contact sensitivity in the mouse. X. Non-specific cytotoxicity of T blasts in the draining lymph nodes. Immunology 25:471-83, Sep 73

**Asherson GL see Zembala M**

**Ashton H, Telford R:** Letter: Smoking and carboxyhaemoglobin. Lancet 2:857-8, 13 Oct 73

**Askenase PW:** Cutaneous basophil hypersensitivity in contact-sensitized guinea pigs. I. Transfer with immune serum. J Exp Med 138:1144-55, 1 Nov 73

**Aspöck H, Kunz C, Picher O, et al:** Virologische und serologische Untersuchungen über die Rolle von Vögeln als Wirte von Arboviren in Ost-Österreich. Zentralbl Bakteriol [Orig A] 224:156-67, Jul 73 (Ger)

**Assali NS, Brinkman CR 3d:** The role of circulatory buffers in fetal tolerance to stress. Am J Obstet Gynecol 117:843-53, 1 Nov 73

**Aussenegg F see Paletta B**

**Austin CR:** Embryo transfer and sensitivity to teratogenesis. Nature 244:333-4, 10 Aug 73

**Avery BE, Simpson DM:** The baboon as a model system for the study of periodontal disease: clinical and light microscopic observations. J Periodontol 44:675-86, Nov 73

**Avila R see Pimentel JC**

**Avram G, Ghibu F, Galaction E, et al:** Prezenţa enterovirusurilor în colectivităţi de copii din mediul urban în perioada vaccinarii antipoliomielitice. Rev Med Chir Soc Med Nat Iasi 77:513-8, Jul-Sep 73 (Rum)

**Axberger G:** Arson and fiction: a cross-disciplinary study. Psychiatry 36:244-65, Aug 73

**Axelband AA:** Denturism--illegal dentistry. A report. NY State Dent J 39:528-9, Nov 73

**Azar CA see Green MC**

## B

**Babcock KL see Schulz RK**

**Bach H:** Einflubb des Druckes und der Temperatur der Raumluft bei der Bestimmung der Wärmeleistung von Raumheizkörpern. Gesund Ing 94:236-41, Aug 73 (Ger)

**Bacon CW, Sweeney JG, Robbins JD, et al:** Production of penicillic acid and ochratoxin A on poultry feed by Aspergillus ochraceus: temperature and moisture requirements. Appl Microbiol 26:155-60, Aug 73

**Badgley RF see Wolfe S**

**Bagrova ND see Medvedev VI**

**Bailey LF see Kiddy CA**

**Baird D:** Eclampsia and social change in the tropics. Br Med J 2:716-7, 23 Jun 73

**Balogh K, Merk FB:** Ultrastructure of renal collecting tubules following ingestion of bipyridinium herbicide (Morfamquat). Experientia 29:1101-3, 15 Sep 73

**Baltzan MA:** Study on Saskatchewana community clinics suggests total health expenditure not less. Report's data and interpretation suspect. Can Med Assoc J 109:652-4, 6 Oct 73

**Bandmann HJ see Breit R**

**Banerji SK:** Wastewater treatment: detergents. J Water Pollut Control Fed 45:1059-63, Jun 73

**Bangdiwala IS see Fuertes-de la Haba A**

**Banham KM:** Social and emotional adjustment of retarded CP infants. Except Child 40:107, Oct 73

**Banim S see Fowler PB**

**Barański S:** Wydolność i adaptacja w warunkach współczesnych lotów wysokościowych i kosmicznych. Acta Physiol Pol [Suppl] 24:723-33, 1973 (Pol)

**Barber HM:** Horse-play: survey of accidents with horses. Br Med J 3:532-4, 8 Sep 73

**Barchi RL see De Jesus PV**

**Barkin RM, Glosser JW:** Leptospirosis--an epidemic in children. Am J Epidemiol 98:184-91, Sep 73

**Barlow DF, Donaldson AI:** Comparison of the aerosol stabilities of foot-and-mouth disease virus suspended in cell culture fluid or natural fluids. J Gen Virol 20:311-8, Sep 73

**Barnes GB see Chabon RS**

**Barnes RD see Holliday J**

**Barnes RM see Asherson GL**

**Barron CI:** Perspectives in aerospace medicine. Aerosp Med 44:1055-8, Sep 73

**Bartlett RC:** Control of hospital-associated infection. Prog Clin Pathol 4:259-82, 1972

**Barton GM see Chan-Yeung M**

**Bartoslewicz L:** Improved techniques of identification and determination of airborne asbestos. Am Ind Hyg Assoc J 34:252-9, Jun 73

**Bason R, Billings CE, Fox EL, et al:** Oxygen kinetics for constant work loads at various altitudes. J Appl Physiol 35:497-500, Oct 73

**Batra TR see Hacker RR**

**Baum JJ see Mertens PE**

**Baumann H, Hecht K:** Quantitative evoked-potential-Analysen zur neurophysiologischen Charakterisierung von Fehlernprozessen in der experimentellen arteriellen Hypertonie-Pathogenese. Acta Biol Med Ger 30:675-96, May 73 (Ger)

**Baumann H see Martin G**

**Baume P, Lewis R:** The social worker in a private medical practice. Report of a successful two-year experience. Med J Aust 2:188-91, 28 Jul 73

**Baylis MA see McCormick A**

**Beare-Rogers JL, McGowan JE:** Alopecia in rats housed in groups. Lab Anim 7:237-8, Sep 73

**Beatrice ES, Frisch GD:** Retinal laser damage thresholds as a function of image diameter. Arch Environ Health 27:322-6, Nov 73

**Becherete A:** Imbolnăvirile la contactii din focarele de tuberculoză de pe teritoriul dispensarului antituberculos Tîrgu-Jiu. Ftiziologia 22:373-8, Jul-Aug 73 (Rum)

**Becker MH, Katatsky ME, Seidel HM:** A follow-up study of unsuccessful applicants to medical schools. J Med Educ 48:991-1001, Nov 73

**Becla E see Krynski S**

**Begley MD:** Letter: Lavatory doors. Br Med J 3:697, 29 Sep 73

**Beilin AL see Vanina LV**

**Beletskiĭ ME see Ioseliani KK**

**Belknap SL see Morrison CC**

**Bell JA see Fox RH**

**Ben-Arie O:** Pre-sentence investigation of drunken drivers. A follow-up study. S Afr Med J 47:1666-8, 15 Sep 73

**Benade AJ see Wyndham CH**

**Benedek TG:** Rheumatoid pneumoconiosis. Documentation of onset and pathogenic considerations. Am J Med 55:515-24, Oct 73 (55 ref.)

**Bennet G:** Medical and psychological problems in the 1972 singlehanded transatlantic yacht race. Lancet 2:747-54, 6 Oct 73

**Bennett FJ see Kakande ML**

**Bennett L see Rahe RH**

**Bensinger TA, Maisels MJ, Carlson DE, et al:** Effect of low caloric diet on endogenous carbon monoxide

production: normal adults and Gilbert's syndrome. Proc Soc Exp Biol Med 144:417-9, Nov 73
**Berger C** see **Legros J**
**Berger ML:** The influence of the automobile on rural health care, 1900-29. J Hist Med 28:319-35, Oct 73
**Berger O** see **Martin H**
**Bergner KG:** Schmelzsalze.
Dtsch Med Wochenschr 98:1823, 28 Sep 73 (Ger)
**Bergy JL:** Nutrition labeling: what, why, how. Hospitals 47:76-8, 1 Oct 73
**Berkow JW** see **Leibowitz HM**
**Berliner MD** see **Campbell CC**
**Berman LD, Hayes JA, Sibay TM:** Effect of streptozotocin in the Chinese hamster (Cricetulus griseus). J Natl Cancer Inst 51:1287-94, Oct 73
**Berman SJ, Irving GS, Kundin WD, et al:** Epidemiology of the acute fevers of unknown origin in South Vietnam: effect of laboratory support upon clinical diagnosis. Am J Trop Med Hyg 22:796-801, Nov 73
**Bermant G, McNeil M, Ashby FN:** Honey bee behavior: responses to light and electric shock. Behav Biol 9:505-9, Oct 73
**Bernstein L:** A study of some enriching variables in a free-environment for rats. J Psychosom Res 17:85-8, Mar 73
**Berris B** see **Feinman SV**
**Bescol-Liversac J** see **Gaultier M**
**Bettelheim FA, Kaplan D:** Small angle light scattering of bovine cornea as affected by birefringence. Biochim Biophys Acta 313:288-76, 28 Jul 73
**Bhatia JR:** Letter: Health planning for children. Indian Pediatr 10:393-5, Jun 73
**Bhatt TS** see **Coombs MM**
**Biagi F:** Ecología, un marco de referencia. Prensa Med Mex 38:22-5, Jan-Feb 73 (Spa)
**Bigler WJ, McLean RG, Trevino HA:** Epizootiologic aspects of raccoon rabies in Florida. Am J Epidemiol 98:326-35, Nov 73
**Billings CE, Gerke RJ, Chase RC, et al:** Stress and strain in student helicopter pilots. Aerosp Med 44:1031-5, Sep 73
**Billings CE, Gerke RJ, Chase RC, et al:** Studies of pilot performance. 3. Validation of objective performance measures for rotary-wing aircraft. Aerosp Med 44:1026-30, Sep 73
**Billings CE** see **Bason R**
**Binder K:** Comparison of the effects of fluoride drinking water on caries frequency and mottled enamel in three similar regions of Austria over a 10-year period. Caries Res 7:179-83, 1973
**Birch JR** see **Farkas LG**
**Bishara RH, Born GS, Anderson VL, et al:** Statistical approach to evaluating effect of physical and chemical factors on fecal excretion of chlorophenothane. J Pharm Sci 62:1420-4, Sep 73
**Bisno AL, Turpin P, Ledes CP:** "Pyoderma" streptococci as a cause of nosocomial sepsis. South Med J 66:1071-2, Sep 73
**Black AL, Chiu YC, Fahmy MA, et al:** Selective toxicity of N-sulfenylated derivatives of insecticidal methylcarbamate esters. J Agric Food Chem 21:747-51, Sep-Oct 73
**Blackwood CE, Hosannah Y, Perman E, et al:** Experimental emphysema in rats: elastolytic titer of inducing enzyme as determinant of the response. Proc Soc Exp Biol Med 144:450-4, Nov 73
**Blake CA** see **Terkel J**
**Blanc W** see **Naeye RL**
**Blanckaert D** see **Farriaux JP**
**Blaylock LG** see **Stockland WL**
**Bleby J:** Animals in schools. Vet Rec 93:26, 7 Jul 73
**Bleffert GW** see **Waitking AE**
**Bloch KJ** see **Ohman JL**
**Bloch WN Jr, Lassiter S, Stara JF, et al:** Blood rheology of dogs chronically exposed to air pollutants. Toxicol Appl Pharmacol 25:576-81, Aug 73
**Blount JH** see **Brown WJ**
**Blue CM, Vergason GA:** Echoic responses of standard English features by culturally deprived black and white children. Percept Mot Skills 37:375-81, Oct 73
**Blumberg BS** see **Metselaar D**
**Bodenheimer TS:** Health care in the United States: who pays? Int J Health Serv 3:427-34, 1973
**Bodenstein OF** see **Brown DG**
**Boese JL, Wisseman CL Jr, Walsh WT, et al:** Antibody and antibiotic action on Rickettsia prowazeki in body lice across the host-vector interface, with observations on strain virulence and retrieval mechanisms. Am J Epidemiol 98:262-82, Oct 73
**Boillat MA, Lob M:** Risque d'asbestose chez les travailleurs occupés à remplacer les garnitures de freins. Schweiz Med Wochenschr 103:1354-9, 29 Sep 73 (Fre)
**Bolman WM** see **McDermott JF Jr**
**Borghelli RF, Andrade JH, Centofanti MH:** Enfermedad periodontal e higiene oral en la Argentina. Bol Of Sanit Panam 75:204-12, Sep 73 (Spa)
**Borgsdorf LR, Mosser RS:** The problem-oriented medical record: an ideal system for pharmacist involvement in comprehensive patient care. Am J Hosp Pharm 30:904-7, Oct 73
**Born GS** see **Bishara RH**
**Bosch Pèrez AV:** Posibles efectos tòxicos de los aditivos alimentarios infantiles. Folia Clin Int (Barc) 23:497-506, Jul-Aug 73 (Spa)
**Bostwick GW** see **Morrison CC**
**Bosworth W, Ewert A, Bray J:** The interaction of Brugia malayi and streptococcus in an animal model. Am J Trop Med Hyg 22:714-9, Nov 73
**Bottex C, Giordani R, Deschaux P, et al:** Action of air pollutants and polycyclic hydrocarbons on the respiration of fetal calf-kidney cell culture. J Natl Cancer Inst 51:1129-33, Oct 73
**Bouchard R, Conrad HR:** Sulfur requirement of lactating dairy cows. I. Sulfur balance and dietary supplementation. J Dairy Sci 56:1276-82, Oct 73
**Bourguet J** see **Corriveau M**
**Bowman MC, Cole MM, Clark PH, et al:** Trichlorfon and dichlorvos: their residues and toxicity in rodent bait for flea control. J Med Entomol 10:405-10, 31 Jul 73
**Boyd RD, Morriss FH Jr, Meschia G, et al:** Growth of glucose and oxygen uptakes by fetuses of fed and starved ewes. Am J Physiol 225:897-902, Oct 73
**Brabec P** see **Schenken JR**
**Bradford LJ, McKinley JH, Rousey CL, et al:** Measurement of hearing in dogs by respiration audiometry. Am J Vet Res 34:1183-7, Sep 73
**Bradley DW, Hornbeck CL:** Serum albumin polymorphisms in Whiteriver Apache Indians. Biochem Med 8:92-7, Aug 73
**Brand I** see **Brand KG**
**Brand KG, Buoen LC, Brand I:** Brief communication: foreign-body tumorigenesis in mice: most probable number of originator cells. J Natl Cancer Inst 51:1071-4, Sep 73
**Brand OW** see **Marres EH**
**Brandt CD, Kim HW, Arrobio JO, et al:** Epidemiology of respiratory syncytial virus infection in Washington, D.C. 3. Composite analysis of eleven consecutive yearly epidemics. Am J Epidemiol 98:355-64, Nov 73
**Brandt R, Ponterius G, Yman L:** The allergens of cat epithelia and cat serum. Comparative studies based on the radioallergosorbent technique (RAST). Int Arch Allergy Appl Immunol 45:447-55, 1973
**Brashear RE, Sharma HM, DeAtley RE:** Prolonged survival breathing oxygen at ambient pressure. Am Rev Respir Dis 108:701-4, Sep 73
**Bray J** see **Bosworth W**
**Breborowicz J** see **Kasprzak KS**
**Breffeilh JL** see **Dimov S**
**Breit R, Bandmann HJ:** Contact dermatitis XXII. Dermatitis from lanolin. Br J Dermatol 88:414-6, Apr 73 (19 ref.)
**Brickman L** see **Waitking AE**
**Brilling G** see **Strasser H**
**Brinkman CR 3d** see **Assali NS**
**Brix R, Burian K:** The objective of verbal discrimination ability further investigations. Audiology 12:481-7, Sep-Dec 73
**Brocco D, Cimmino A, Possanzini M:** Determination of aza-heterocyclic compounds in atmospheric dust by a combination of thin-layer and gas chromatography. J Chromatogr 84:371-7, 26 Sep 73
**Brockhaus A** see **Pott F**
**Brockhaus A** see **Weisz H**
**Brody EB:** Editorial: The psychiatrist and family planning. Am J Psychiatry 130:1273-4, Nov 73
**Brody J** see **Labarthe D**
**Brooks CH:** Associations among distance, patient satisfaction, and utilization of two types of inner-city clinics. Med Care 11:373-83, Sep-Oct 73
**Brouns H** see **Anet F**
**Brown CA** see **Ward JM**
**Brown DG, Bodenstein OF, Norton SJ:** New potent pyrethroid, bromethrin. J Agric Food Chem 21:767-9, Sep-Oct 73
**Brown RV, Hutcheson DP:** Nutrition and alcohol consumption in the Sinclair miniature pig. Q J Stud Alcohol 34:758-63, Sep 73
**Brown WH** see **Whiting FM**
**Brown WJ, Blount JH:** The effectiveness of the epidemiological approach to syphilis control. J Reprod Med 11:123-4, Sep 73
**Brunetti PM:** Health in ecological perspective. Acta Psychiatr Scand 49:393-404, 1973
**Brunner DR** see **Heidman JA**
**Bryan GT** see **Croft WA**
**Bryan JA, Huff JC:** Letter: Hepatitis from clams. JAMA 226:566, 29 Oct 73
**Brzezińska Z** see **Kozlowski S**
**Buchwald G:** Zur Wirksamkeit der Pockenschutzimpfung. Entgegnung auf die Arbeit von K. H. Richter u. Mitarb., Münch. med. Wschr. 114 (1972) 35, 1496-1502. Munch Med Wochenschr 115:1400, 10 Aug 73 (Ger)
**Buckland RA** see **Gregoriadis G**
**Budtz-Olsen OE** see **Cummins RA**
**Buist AS, Ross BB:** Quantitative analysis of the alveolar plateau in the diagnosis of early airway obstruction. Am Rev Respir Dis 108:1078-87, Nov 73
**Bulfield G** see **Kacser H**
**Buoen LC** see **Brand KG**
**Burch PR:** Letter: Smoking, pregnancy and publicity. Nature 245:277, 5 Oct 73
**Burgess WA** see **Sidor R**
**Burian K** see **Brix R**
**Burke PJ, Conolly WB:** Paint gun injection injury of the hand: a surgical emergency. Med J Aust 2:276-8, 11 Aug 73
**Burns DT** see **Hayes WP**
**Burns K** see **Anderson JP**
**Burrell DC** see **Lee ML**
**Burright RG** see **Donovick PJ**
**Burt BA, Slack GL:** Dental data requirements in the area health authorities. Br Dent J 135:361-4, 16 Oct 73
**Bus JS, Gibson JE, Reinke DA:** Teratogenicity and neonatal toxicity of ifosfamide in mice. Proc Soc Exp Biol Med 143:965-70, Sep 73
**Buscho R, Wyatt RG, Dolin R, et al:** Recurrent institutional outbreaks of acute infectious nonbacterial gastroenteritis: epidemiology and etiology. Am J Epidemiol 98:192-8, Sep 73
**Butcher DF** see **Reger RB**
**Buz'ko AO, Shenko EV:** Konservirovanie karotina v silose kormovoĭ patokoĭ. Veterinariia 9:37-9, Sep 72 (Rus)
**Byczkowski J, Swierczyński J, Popinigis J:** The effect of p,p'-DDT (dicophane) and its metabolites on ATPase activity in rat liver mitochondria. Arch Toxikol 31:19-24, 30 Aug 73

## C

**Cahill DF** see **Laskey JW**
**Cahoon RL:** Monitoring Army radio-communications networks at high altitude. Percept Mot Skills 37:471-6, Oct 73
**Cain K** see **Weetman DF**
**Cajal N, Cepleanu M, Cernesc C, et al:** Profilaxia specifică a rujeolie în România. V. Studiu asupra unui vaccin antirujeolos cu virus viu atenuat preparat în Institutul de virusologie Stefan S. Nicolau, administrat pe diferite cai. Stud Cercet Virusol 24:349-56, 1973 (Rum)
**Cajal N, Sărăţeanu D, Petrescu A, et al:** Studiul eficienţei unui vaccin gripal inactivat administrat pe cale intranasală. II. Observaţii efectuate în cursul epidemiei din decembrie 1972. Stud Cercet Virusol 24:357-62, 1973 (Rum)
**Calandra JC** see **Kennedy GL Jr**
**Cambior GJ:** Letter: Carcinogenesis by natural selection of species. Lancet 2:846-7, 13 Oct 73
**Campbell AG** see **Duff RS**
**Campbell CC, Berliner MD:** Virulence differences in mice of type A and B Histoplasma capsulatum yeasts grown in continuous light and total darkness. Infect Immun 8:677-8, Oct 73
**Camrass R:** Western Samoa: delivery of dental services in an emergent nation. Br Dent J 135:337-40, 2 Oct 73
**Cantwell RJ:** A prospective study of Maori infant health and the problem of nutritional anaemia. NZ Med J 78:61-5, 25 Jul 73
**Capodaglio E** see **Serra R**
**Cardesa A** see **Pour P**
**Cardona RA** see **Dorough HW**
**Cardoso SS** see **Halberg F**
**Carlson DE** see **Bensinger TA**
**Castleman WL, Dungworth DL, Tyler WS:** Cytochemically detected alterations of lung acid phosphatase reactivity following ozone exposure. Lab Invest 29:310-9, Sep 73
**Catchpole HR** see **Loevy HT**
**Catenacci G** see **Serra R**
**Cauffman JG, Lloyd JS, Lyons ML, et al:** Health information and referral services within Los Angeles County. Am J Public Health 63:872-7, Oct 73
**Cavanaugh CT** see **Horton PS**
**Cederlöf R** see **Friberg L**
**Cegla U** see **Zimmermann U**
**Cendrowski W:** Analiza historii chorób pod kątem występowania krótkotrwałych pogorszeń i dobowej zmienności objawów u chorych ze stwardnieniem rozsianym. Neurol Neurochir Pol 7:223-8, Jul-Aug 73 (Pol)
**Centofanti MH** see **Borghelli RF**
**Cepleanu M** see **Cajal N**
**Cepleanu M** see **Cernescu C**
**Cerda JJ** see **Chiurco AA**
**Cernesc C** see **Cajal N**
**Cernescu C, Strulovici D, Cepleanu M, et al:** Studiu experimental asupra imunizării simultane antirujeoloase şi antiurliene. Stud Cercet Virusol 24:363-8, 1973 (Rum)
**Ceska M, Ponterius G, Soininen K:** Enzymatic hydrolysis of allergens and assessment of the remaining allergenic activities by the paper disc radioallergosorbent method. Int Arch Allergy Appl Immunol 45:417-28, 1973
**Chabon RS, Barnes GB, Hertzberg LJ:** The problem of child abuse: a community hospital approach. Md State Med J 22:50-5, Oct 73
**Chaĭnova LD** see **Ioseliani KK**
**Chaloupková E, Joachimsthaler J:** Ortostatická a klinostatická reakce u nemocných s různým stupněm zaprášení plic. Cas Lek Cesk 112:1129-32, 14 Sep 73 (Cze)
**Champredon C, Pion R:** Influence de la teneur en urée du régime sur l'aminoacidémie libre de chèvresen lactation. Ann Biol Anim Biochim Biophys 12:307-20, 1972 (Fre)
**Chan HC, Tan KE:** Lead encephalopathy--report of two cases. Singapore Med J 14:133-6, Jun 73
**Chan WC** see **Fong YY**
**Chan-Yeung M:** Maximal expiratory flow and airway resistance during induced bronchoconstriction in patients with asthma due to Western red cedar (Thuja plicata). Am Rev Respir Dis 108:1103-10, Nov 73
**Chan-Yeung M, Barton GM, MacLean L, et al:** Occupational asthma and rhinitis due to Western red cedar (Thuja plicata). Am Rev Respir Dis 108:1094-102, Nov 73
**Chanda R, Woodward DJ, Griffin S:** Cerebellar development in the rat after early postnatal damage by methylazoxymethanol: DNA, RNA and protein during recovery. J Neurochem 21:547-55, Sep 73
**Chandler JE** see **Schelling GT**
**Chapman LS:** The neighborhood health center foundation for health care: a portend for the future or a necessity for survival? Am J Public Health 63:841-5, Oct 73
**Charache P** see **Graybill JR**
**Charlson R** see **McJilton C**
**Chase HC:** A study of risks, medical care, and infant mortality. 4. Methodological considerations. Am J Public Health 63:41-56, Sep 73
**Chase HC:** A study of risks, medical care, and infant mortality. 1. Selected substantive results. Am J Public Health 63:3-16, Sep 73
**Chase HC:** Letter: Desegregating health statistics. Am J Public Health 63:836-7, Oct 73
**Chase HC, Nelson FG:** A study of risks, medical care, and infant mortality. 3. Education of mother, medical care, and condition of infant. Am J Public Health 63:27-40, Sep 73
**Chase HC** see **Erhardt CL**
**Chase RC** see **Billings CE**
**Chatterjee AK, Dighe SK, Naithani RC, et al:** The role of DL-dihydroxy phenyl alanine (DOPA) on plasma transaminase level under altitude stress. Jap J Pharmacol 23:269-71, Apr 73
**Chaube S:** Protective effects of thymidine, 5-aminoimidazolecarboxamide, and riboflavin against fetal abnormalities produced in rats by 5-(3,3-dimethyl-1-triazeno)imidazole-4-carboxamide. Cancer Res 33:2231-40, Oct 73
**Chazan M:** Disadvantage and nursery schooling. Spec Educ 62:19-23, Sep 73
**Cheek DB** see **Holt AB**
**Chen CS, Gates GR:** Desensitization of priming-induced

# AUTHOR SECTION


audiogenic seizure susceptibility in BALB-C mice. Exp Neurol 41:227-31, Oct 73
**Chen CS see Gates GR**
**Chernetskiĭ OE:** Zavisimost' urovnia rozhdaemosti ot nekotorykh sotsial'no-ékonomicheskikh faktorov i sostoianiia zdorov'ia supruzheskikh par. Zdravookhr Ross Fed 17:11-4, Jun 73 **(Rus)**
**Chernukha YG see Karaseva EV**
**Chikirdin EG see Gordon VI**
**Chilson BD, Knickrehm ME:** Nutrient intake of college students under two systems of board charges--a la carte vs. contract. J Am Diet Assoc 63:543-5, Nov 73
**Chisolm JJ Jr:** Management of increased lead absorption and lead poisoning in children. N Engl J Med 289:1016-8, 8 Nov 73
**Chiu YC see Black AL**
**Chiurco AA, Sutnick AI, Cerda JJ, et al:** Antibody to Australia antigen in an outbreak of hepatitis on an Indian reservation. Res Commun Chem Pathol Pharmacol 6:273-92, Jul 73
**Chizhov SV, Tepper ES, Korshunova GF, et al:** Issledovanie obezzarazhivaiushchikh svo tv sorbentov, ispol'zuemykh v sisteme zhizneobespecheniia kosmicheskikh korablei. Kosm Biol Med 7:80-3, May-Jun 73 **(Rus)**
**Chkonia TG see Kachakhidze AV**
**Cho JJ see Schroth MN**
**Chowaniec J see Hicks RM**
**Christie AB:** Contraindications to smallpox vaccination. Br Med J 2:714, 23 Jun 73
**Church AR, Hüppi GA, Moon MW, et al:** Herbicidal activity of ester and amide derivatives of substituted pyrrole-2,4-dicarboxylic acids. J Agric Food Chem 21:763-7, Sep-Oct 73
**Cimmino A see Brocco D**
**Ciuntu M see Nemţeanu E**
**Civetta JM see Kaplan BC**
**Clark AM:** Viewpoint of a rural general practitioner. NS Med Bull 52:207-8, Oct 73
**Clark HE see Tewell JE**
**Clark FH see Bowman MC**
**Clarke V de V see Shiff CJ**
**Clary JJ, Groth DH, Stokinger HE:** Comparative changes in serum enzyme levels in beryllium- or carbon tetrachloride-induced liver necrosis. Proc Soc Exp Biol Med 143:1207-10, Sep 73
**Clayson D:** Public health training among the rural poor in Jamaica: some effects on medical students' concept modification and self-evaluation. Psychiatr Q 47:124-31, 1973
**Clayson DB see Flaks A**
**Clayton GD see Soule RD**
**Clayton JW see DoPico GA**
**Clemente F, Summers GF:** Industrial development and the elderly: a longitudinal analysis. J Gerontol 28:479-83, Oct 73
**Cline RE see Armstrong RG**
**Cline TR see Crosby LO**
**Cliver DO:** Cheddar cheese as a vehicle for viruses. J Dairy Sci 56:1329-31, Oct 73
**Cliver DO see Kostenbader KD Jr**
**Clough SC see Johnson WR**
**Cluff GL:** Professional services relative to conservation of hearing in industry. ASHA 15:339-42, Jul 73
**Cochrane R, Robertson A:** The life events inventory: a measure of the relative severity of psycho-social stressors. J Psychosom Res 17:135-40, Mar 73
**Cochrane R see Johnson FN**
**Cohen J see Elduson BT**
**Cole MM see Bowman MC**
**Cole P:** Letter: carbon monoxide and smoking. Lancet 2:795, 6 Oct 73
**Cole PV see Russell MA**
**Coleman AE, Mortagy AK:** Ambient head temperature and football helmet design. Med Sci Sports 5:204-8, Fall 73
**Collins WE, Iampietro FF:** Effects of repeated simulated sonic booms of 1.0 PSF on the sleep behavior of young and old subjects. Aerosp Med 44:987-95, Sep 73
**Collins WE, Miller LH, Glew RH, et al:** Transmission of three strains of Plasmodium falciparum from monkey to man. J Parasitol 59:855-8, Oct 73
**Colwell JA see Sagel J**
**Comline RS see Nathanielsz PW**
**Conner HS, Gregor GL:** Crowding and isolation: determinants of agonistic and food-seeking behavior in Norway rats. J Comp Physiol Psychol 84:593-7, Sep 73
**Conney AH:** Editorial: Carcinogen metabolism and human cancer. N Engl J Med 289:971-3, 1 Nov 73
**Conolly WB see Burke PJ**
**Conrad HR see Bouchard R**
**Coombs MM, Bhatt TS:** Potentially carcinogenic cyclopenta(a)phenanthrenes. VI. 1,2,3,4-Tetrahydro-17-ketones. J Chem Soc [Perkin I] 12:1251-4, 1973
**Coombs MM, Hall M:** Potentially carcinogenic cyclopenta(a)phenanthrenes. VII. Ring-D diols and related compounds. J Chem Soc [Perkin I] 12:1255-8, 1973
**Cooper T:** Keynote address: all the people or all the patients? Med Instrum 7:214-6, May-Aug 73
**Coriell LL see McGarrity GJ**
**Cornell RC see Milstein HG**
**Corriveau M, Bourguet J, Hugon JS:** Morphological modifications of the frog bladder induced by non ionic detergents (Rana pipiens L.). Virchows Arch [Zellpathol] 14:69-75, 1973
**Couch RB, Kasel JA, Perreira HG, et al:** Induction of immunity in man by crystalline adenovirus type 5 capsid antigens. Proc Soc Exp Biol Med 143:905-10, Sep 73
**Cragin CL 3d:** Health care and the 106th Maine Legislature. J Maine Med Assoc 64:215-8, Sep 73
**Craig AB Jr:** Olympics 1972: an evaluation of selected winning performances. Med Sci Sports 5:191-4, Fall 73
**Craker LE, Starbuck JS:** Leaf age and air pollutant susceptibility: uptake of ozone and sulfur dioxide. Environ Res 6:91-4, Mar 73
**Cramp S:** Wildlife review. The effects of pesticides on British wildlife. Br Vet J 129:315-23, Jul-Aug 73
**Craun GF:** Microbiology--waterborne outbreaks. J Water Pollut Control Fed 45:1265-77, Jun 73
**Cravioto H see Weiss E de C**
**Crawford MD:** Hardness of drinking-water and cardiovascular disease. Proc Nutr Soc 31:347-53, Dec 72 (34 ref.)
**Creighton WE see Sutton FC**
**Cremer HD:** Ernährung, Altern und Lebenserwartung. Z Ernaehrungswiss [Suppl] 15:130-8, 1973 (20 ref.) **(Ger)**
**Cripps RA, Reish DJ:** The effect of environmental stress on the activity of malate dehydrogenase and lactate dehydrogenase and lactate dehydrogenase in Neanthes arenacedentata (Annelida: Polychaeta). Comp Biochem Physiol [B] 46:123-33, 15 Sep 73
**Cristensen GM see McKim JM**
**Croft WA, Bryan GT:** Production of urinary bladder carcinomas in male hamsters by N-(4-(5-nitro-2-furyl)-2-thiazolyl)formamide, N-(4-(5-nitro-2-furyl)-2-thiazolyl)-acetamide, or formic acid 2-(4-(5-nitro-2-furyl)-2-thiazolyl)hydrazide. J Natl Cancer Inst 51:941-9, Sep 73
**Crosby LO, Cline TR:** Effect of asparagine on growth and protein synthesis in weanling rats. J Anim Sci 37:713-7, Sep 73
**Csukás A see Mándi A**
**Cummins RA, Walsh RN, Budtz-Olsen OE, et al:** Environmentally-induced changes in the brains of elderly rats. Nature 243:516-8, 29 Jun 73
**Curley A see Laws ER Jr**
**Cytryn L see McKnew DH Jr**


## D


**Dale WE, Miles JW, Weathers DB:** Measurement of residues of dichlorvos absorbed by food exposed during disinsection of aircraft. J Agric Food Chem 21:858-60, Sep-Oct 73
**Dalili H, Adriani J, Wu WT, et al:** Radiowave and microwave blood warmers: comparison with water bath blood warming units. South Med J 66:1254-9, Nov 73
**Damian N, Răşcanu R:** Aspecte ale suicidului la conducătorii auto. Neurol Psihiatr Neurochir 18:283-8, May-Jun 73 **(Rum)**
**D'Angelo SA, Wall NR:** Maternal-fetal endocrine interrelations in the rat: effects of cyclic and dibutyryl cyclic AMP on pituitary-thyroid and adrenocortical systems in mother and neonate. Proc Soc Exp Biol Med 143:941-7, Sep 73
**Danielová V see Rehse-Küpper B**
**Daniels RS:** Changing human service delivery systems: their influences on psychiatric training. Am J Psychiatry 130:1232-6, Nov 73
**Daniels-Severs A, Goodwin A, Keil LC, et al:** Effect of chronic crowding and cold on the pituitary-adrenal system: responsiveness to an acute stimulus during chronic stress. Pharmacology 9:348-56, 1973
**David D:** Action toxique du DDT sur le foie d'embryons de poulet et de caille. Etude ultrastructurale. Arch Anat Microsc Morphol Exp 62:1-13, Jan-Mar 73 **(Fre)**
**David NF:** Letter: To be or not to be. JAMA 226:468, 22 Oct 73
**Davies AD:** Age and temperament effects on maze performance under speed and accuracy stress. Percept Mot Skills 37:502, Oct 73
**Davies GN:** Fluoride in the prevention of dental caries. A tentative cost-benefit analysis. Br Dent J 135:173-4, 21 Aug 73
**Davis H:** Classes of auditory evoked responses. Audiology 12:464-9, Sep-Dec 73
**Davis NM see Turco S**
**Dawes C, Ong BY:** Circadian rhythms in the flow rate and proportional contribution of parotid to whole saliva volume in man. Arch Oral Biol 18:1145-53, Sep 73
**Dawson JL:** Temne-Arunta hand-eye dominance and susceptibility to geometric illusions. Percept Mot Skills 37:659-67, Oct 73
**Dawson TJ:** Thermoregulatory responses of the arid zone kangaroos, Megaleia rufa and Macropus robustus. Comp Biochem Physiol [A] 46:153-69, 1 Sep 73
**Day NE see Turusov VS**
**DeAtley RE see Brashear RE**
**De Boer WG see St. John DJ**
**Decorzant R see Ohloff G**
**Degraeve N, Moutschen J:** Sensitivity to mutagens of Rumex acetosa chromosomes. Experientia 29:1026-7, 15 Aug 73
**De Jesus PV, Hausmanowa-Petrusewicz I, Barchi RL:** The effect of cold on nerve conduction of human slow and fast nerve fibers. Neurology (Minneap) 23:1182-9, Nov 73
**Delank HW:** Berufsschäden am peripheren Nervensystem. Z Neurol 205:71-81, 29 Aug 73 **(Ger)**
**Deleanu M see Gheiberg NW**
**Delfau JL see Thomas R**
**Demina AA, Devyatkina NP, Voloshina LZ, et al:** Serological types of whooping cough bacteria and their connection with immunity in vaccinated children. J Hyg Epidemiol Microbiol Immunol (Praha) 17:304-15, Mar 73
**Dennis EJ 3d see Eichelberger JG**
**Deringer SK:** Much ado about nutrition. J Sch Health 43:528-9, Oct 73
**De Rosa E see Reggiani A**
**Deschambault A see Sabourin M**
**Deschaux P see Bottex C**
**Desmet G see Jardillier JC**
**Deviatnikova ZI see Ovsiannikov IF**
**Devyatkina NP see Demina AA**
**Dickerman RW, Scherer WF, Navarro E, et al:** The involvement of dogs in endemic cycles of Venezuelan encephalitis virus. Am J Epidemiol 98:311-4, Oct 73
**Dickson A see Frain-Bell W**
**Dietzman DE see Matthew EB**
**Dighe SK see Chatterjee AK**
**Di Luzio NR, Friedmann TJ:** Letter: Bacterial endotoxins in the environment. Nature 244:49-51, 6 Jul 73
**DiMaio DJ see LaVerne AA**
**Dimov S, Breffeilh JL, Menini C, et al:** Etude des potentiels évoqués visuels chez des jumelles présentant une photosensibilité excessive. Rev Electroencephalogr Neurophysiol Clin 2:308-11, Jul-Sep 72 **(Fre)**
**Dingle H see Lynch GR**
**Dirks DD see Wilson RH**
**Djordjević Z, Kolak A:** Changes in the peripheral blood of the rat exposed to microwave radiation (2400 MHz) in conditions of chronic exposure. Aerosp Med 44:1051-4, Sep 73
**Dobkin B see Shapiro IM**
**Dodinval PA:** Distribution of matrimonial migrations in Belgium. Hum Hered 23:59-68, 1973
**Dodson GJ see Styron CE**
**Doell D, Zutter M, Anthonisen NR:** Ventilatory responses to hypercapnia and hypoxia at 1 and 4 ATA. Respir Physiol 18:338-46, Sep 73
**Dogra RK see Zaidi SH**
**Dohrenwend BS:** Social status and stressful life events. J Pers Soc Psychol 28:225-35, Nov 73
**Doležalová V see Kučera J**
**Dolgov VS:** Za ulushenie mikroklimata i sanitarnogo sostoianiia na fermakh. Veterinariia 1:20-2, Jan 72 **(Rus)**
**Dolif D see Hofert C**
**Dolin M:** Care and feeding of the foetus. Some social implications. NS Med Bull 52:190-1, Oct 73
**Dolin R see Buscho R**
**Domjan M:** Role of ingestion in odor-toxicosis learning in the rat. J Comp Physiol Psychol 84:507-21, Sep 73
**Donaldson AI see Barlow DF**
**Donaldson B see Sen NP**
**Donovick PJ, Burright RG, Swidler MA:** Presurgical rearing environment alters exploration, fluid consumption, and learning of septal lesioned and control rats. Physiol Behav 11:543-53, Oct 73
**DoPico GA, Layton CR Jr, Clayton JW, et al:** Acute pulmonary reaction to spray starch with soil repellant. Am Rev Respir Dis 108:1212-5, Nov 73
**Dorough HW, Whitacre DM, Cardona RA:** Metabolism of the herbicide methazole in cotton and beans, and fate of certain of its polar metabolites in rats. J Agric Food Chem 21:797-803, Sep-Oct 73
**Douglas JS see Guyatt AR**
**Dovzhanskiĭ SI, Krugliĭ MM, Zakharov EM:** Vliianie fizicheskoĭ nagruzki na allergicheskie reaktsii kozhi v éksperimente. Vopr Kurortol Fizioter Lech Fiz Kult 38:254-6, May-Jun 73 **(Rus)**
**Draganski M see Nikolov T**
**Drain MP see Sikes CS**
**Draper P:** Crowding among hunter-gatherers: the Kung Bushmen. Science 182:301-3, 19 Oct 73
**Dreyer AS, McIntire WG, Dreyer CA:** Sociometric status and cognitive style in kindergarten children. Percept Mot Skills 37:407-12, Oct 73
**Dreyer CA see Dreyer AS**
**Driscoll JN, Warneck P:** The analysis of PPM levels of gases in air by photoionization mass spectrometry. J Air Pollut Control Assoc 23:858-63, Oct 73
**Droese W see Stolley H**
**Druckrey H, Ivankovic S, Gimmy J:** Cancerogene Wirkung von Methyl- und Athylnitrsoharnstoff (MNH und ANH) nach einmaliger intracerebraler bzw. intracarotidaler Injektion bei neugeborenen und jungen BD-Ratten. Z Krebsforsch 79:282-97, 19 Jun 73 **(Ger)**
**Dryden SL, Judd SH:** Must your new plant be too noisy? Am Ind Hyg Assoc J 34:241-51, Jun 73
**Dubos R:** James Perkins lecture. Health and environment. Am Rev Respir Dis 108:761-6, Oct 73
**Dubovi EJ see Akers TG**
**Ducharme R see Sabourin M**
**Duda R see Zamfir G**
**Duff RS, Campbell AG:** Moral and ethical dilemmas in the special-care nursery. N Engl J Med 289:890-4, 25 Oct 73
**Dungworth DL see Castleman WL**
**Dungworth DL see Plopper CG**
**Dunsky IL, Fife WA, Richey EO:** Determination of revised Air Force permissible exposure levels for laser radiation. Am Ind Hyg Assoc J 34:235-40, Jun 73
**Durda M:** Palenie tytoniu i praca w pyle cementowym a częstość nadmiernej reaktywności drzewa oskrzelowego na histaminę. Pol Tyg Lek 28:1261-3, 13 Aug 73 **(Pol)**
**Durda M, Szafrański W:** Częstość występowania przewlekłych zapaleń oskrzeli i rozedmy płuc u ludności trzech wsi woj. lubelskiego. Pol Arch Med Wewn 50:895-902, Sep 73 **(Pol)**
**Dusmuratov M see Shamatov NM**
**Duvall RN see Gold G**
**Dyer KF, Hanna PJ:** Comparative mutagenic activity and toxicity of triethylphosphate and dichlorvos in bacteria and Drosophila. Mutat Res 21:175-7, Jun 73


## E


**Eastman TR:** Measurement: the key to exposure with manual techniques. Radiol Technol 45:75-8, Sep-Oct 73
**Edgerton MT:** Deformity is a disease. Trans Stud Coll Physicians Phila 41:124-30, Oct 73
**Edmonds LD see Selby LA**
**Edwards JN, Klemmack DL:** Correlates of life satisfaction: a re-examination. J Gerontol 28:499-502, Oct 73
**Ehlers G, Florian HJ:** Zur Frage der kanzerogenen Wirkung von Rubinlaserstrahlen. Med Klin 68:1229-38, 21 Sep 73 **(Ger)**
**Eichelberger JG, Dennis EJ 3d:** South Carolina maternal mortality review for 1970. J SC Med Assoc 69:329-34, Sep 73

# AUTHOR SECTION

**Eiduson BT, Cohen J, Alexander J:** Alternatives in child rearing in the 1970s.
Am J Orthopsychiatry 43:720-31, Oct 73

**Eisenbeiss F, Sieper H:** The potential use of high-performance liquid chromatography in residue analysis. J Chromatogr 83:439-46, 29 Aug 73

**Ekesbo I:** Animal health, behaviour and disease prevention in different environments in modern Swedish animal husbandry. Vet Rec 93:36-9, 14 Jul 73

**Ekström NA see Wennberg LA**

**Elliott AL see Ferguson DB**

**Elliott M, Farnham AW, Janes NF, et al:** Potent pyrethroid insecticides from modified cyclopropane acids. Nature 244:456-7, 17 Aug 73

**Ellis FR, Nasser S:** A pilot study of vitamin B12 in the treatment of tiredness. Br J Nutr 30:277-83, Sep 73

**Elster I see Konietzko H**

**Emmerich DS, Gruenfeld LS, Wiesenfeld AR:** Reaction time to noise bursts of different durations.
J Exp Psychol 100:422-3, Oct 73

**Engel ER, Modler S, Matsen JM, et al:** Carbon monoxide production from hydroxocobalamin by bacteria.
Biochim Biophys Acta 313:150-5, 20 Jun 73

**Engen T, Ross BM:** Long-term memory of odors with and without verbal descriptions.
J Exp Psychol 100:221-7, Oct 73

**Enterline PE, Henderson V:** Type of asbestos and respiratory cancer in the asbestos industry.
Arch Environ Health 27:312-7, Nov 73

**Erbguth FH see Waltemath CL**

**Erhardt CL, Chase HC:** A study of risks, medical care, and infant mortality. 2. Ethnic group, education of mother, and birth weight.
Am J Public Health 63:17-26, Sep 73

**Erickson RH see Grunwell JR**

**Ernst D see Zelles L**

**Espinal F see Glass RL**

**Evang K:** The politics of developing a national health policy. Int J Health Serv 3:331-40, 1973

**Evans AC see Shiff CJ**

**Evans JR:** Alan Gregg memorial lecture. Physicians in a public enterprise. J Med Educ 48:975-86, Nov 73

**Ewbank R:** Abnormal behaviour and pig nutrition. An unsuccessful attempt to induce tail biting by feeding a high energy, low fibre vegetable protein ration.
Br Vet J 129:366-9, Jul-Aug 73

**Ewert A see Bosworth W**

**Ewertsen HW:** Epidemiology of professional noise-induced hearing loss.
Audiology 12:453-8, Sep-Dec 73

**Eyles M see Leeton J**

**Eyres SJ:** Public health nursing section report of the 1972 APHA smoking survey.
Am J Public Health 63:846-52, Oct 73

## F

**Factor RM, Waldron I:** Contemporary population densities and human health.
Nature 243:381-4, 15 Jun 73

**Fahey JM see LaForce FM**

**Fahmy MA see Black AL**

**Fahmy MJ see Fahmy OG**

**Fahmy OG, Fahmy MJ:** Oxidative activation of benz(a)anthracene and methylated derivatives in mutagenesis and carcinogenesis.
Cancer Res 33:2354-61, Oct 73

**Fahrig R see Vogel E**

**Falk SA:** Letter: Environmental noise.
Am J Public Health 63:833-6, Oct 73

**Farevaag L, Matthews ME:** Evaluating ready-service food products. Hospitals 47:108-11, 16 Oct 73

**Farkas LG, McCain WG, Birch JR, et al:** The effects of four different chamber climates on oxygen consumption and healing of severely burned rats.
J Trauma 13:911-6, Oct 73

**Farnham AW see Elliott M**

**Farriaux JP, Wackenier JP, Blanckaert D, et al:** Place de la photothérapie dans le traitement de l'ictère du nouveau-né. Lille Med 18:403-14, Apr 73 (Fre)

**Fasani F see Pavesi F**

**Faulhaber JD see Lossnitzer K**

**Faux GA, Valman HB:** Prepacked milk feeds for continuous intragastric feeding.
Br Med J 3:543, 8 Sep 73

**Favino A, Maugeri U, Kauchtschischvili G, et al:** Radioimmunoassay measurements of serum cortisol, thyroxine, growth hormone and luteinizing hormone with simultaneous electroencephalographic changes during continuous noise in man.
J Nucl Biol Med 17:119-22, Jul-Sep 73

**Fehse U:** Unfallverhütung aus verkehrsmedizinisch-psychologischer Sicht unter Berücksichtigung der verkehrspsychologischen Problematik von Kinderunfällen im Strabbenverkehr.
Dtsch Gesundheitsw 28:1146-50, 2 Jun 73 (Ger)

**Feigin RD see Shackelford PG**

**Feinman SV, Berris B, Sinclair JC, et al:** Relation of hepatitis-B-antigen subtypes in symptom-free carriers to geographical origin and liver abnormalities. Lancet 2:867-9, 20 Oct 73

**Ferguson DB, Fort A, Elliott AL, et al:** Circadian rhythms in human parotid saliva flow rate and composition. Arch Oral Biol 18:1155-73, Sep 73

**Ferin J, Leach LJ:** The effect of SO2 on lung clearance of TiO2 particles in rats.
Am Ind Hyg Assoc J 34:260-3, Jun 73

**Ferlinz R:** Die Atiologie der chronischen Bronchitis.
Munch Med Wochenschr 115:1417-21, 24 Aug 73 (Ger)

**Ferluga J see Asherson GL**

**Fernandez AJ see LaVerne AA**

**Ferrero A see Stenbäck FG**

**Fife WA see Dunsky IL**

**Filippov IF:** Razvitie zdravookhraneniia Chuvashskof ASS. Zdravookhr Ross Fed 17:3-7, Jun 73 (Rus)

**Fitz-Earle M, Holm DG, Suzuki DT:** Genetic control of insect population. I. Cage studies of chromosome replacement by compound autosomes in Drosophila melanogaster. Genetics 74:461-75, Jul 73

**Fitzpatrick TB see Pathak MA**

**Flaks A, Hamilton JM, Clayson DB, et al:** The combined effect of radiation and chemical carcinogens in female A X IF mice. Br J Cancer 28:227-31, Sep 73

**Flamm H see Wewalka G**

**Fleming DS, Papra J, Stoffels MA, et al:** Salmonella typhimurium gastroenteritis. Statewide outbreak.
Minn Med 56:722-3, Aug 73

**Fliegner L:** Zwei Fälle von Hautmilzbrand durch eine Infektionsquelle. Hautarzt 24:356-8, Aug 73 (Ger)

**Flocks RH:** The physician and his relationship to society. J Iowa Med Soc 63:468-70 passim, Oct 73

**Florian HJ see Ehlers G**

**Fong YY, Chan WC:** Bacterial production of di-methyl nitrosamine in salted fish. Nature 243:421-2, 15 Jun 73

**Fontana VJ:** Letter: Battered children.
N Engl J Med 289:1044, 8 Nov 73

**Ford JB see Jackson GJ**

**Forman MA see Hetzmecker W**

**Forney AJ see Harney BM**

**Forrest J, Newman L:** Ambient air monitoring for sulfur compounds: a critical review.
J Air Pollut Control Assoc 23:761-8, Sep 73

**Forsyth HL, Simming WE:** The anthropometric estimation of body density and lean body weight of male athletes. Med Sci Sports 5:174-80, Fall 73

**Fort A see Ferguson DB**

**Fortuny IE:** Letter: Epidemiology of Hodgkin's disease.
Lancet 2:966, 27 Oct 73

**Fowler B:** Effect of hyperbaric air on short-term and long-term memory. Aerosp Med 44:1017-22, Sep 73

**Fowler PB, Ikram H, Banim S:** Letter: Association of autoantibodies with smoking, cardiovascular morbidity, and death in the Busselton population.
Lancet 2:862, 13 Oct 73

**Fox AE, Plescia OJ:** An experimental model of autoimmune hemolytic anemia in mice.
Immunol Commun 2:241-54, 1973

**Fox EL see Bason R**

**Fox JA see Miller GJ**

**Fox RH, Wilkins DC, Bell JA, et al:** Spontaneous periodic hypothermia: diencephalic epilepsy.
Br Med J 2:693-5, 23 Jun 73

**Frain-Bell W, Dickson A, Herd J, et al:** The action spectrum in polymorphic light eruption.
Br J Dermatol 89:243-9, Sep 73

**Frain-Bell W see MacKenzie LA**

**Frank R see McJilton C**

**Frank R see Watanabe S**

**Fraser FC see Marsh L**

**Fraser FM see Anderson JP**

**Fraser FK see Gill JB**

**Fraser RD:** An international study of health and general systems of financing health care.
Int J Health Serv 3:369-97, 1973

**Frawley JP see Kennedy GL Jr**

**Frazier TW see Lenox RH**

**Freeborn DK see Weiss J**

**Freeman AE, Weisburger EK, Weisburger JH, et al:** Transformation of cell cultures as an indication of the carcinogenic potential of chemicals.
J Natl Cancer Inst 51:799-806, Sep 73

**Frei RW see MacNeil JD**

**Fréjaville JP see Gaultier M**

**Friberg L, Cederlöf R, Lorich U, et al:** Mortality in twins in relation to smoking habits and alcohol problems.
Arch Environ Health 27:294-304, Nov 73

**Fricker A:** Lebensmittelverarbeitung aus ernährungsphysiologischer Sicht: Eine kritische Betrachtung.
Z Ernaehrungswiss [Suppl] 15:139-48, 1973 (Ger)

**Friedell GH see Yalciner S**

**Friedman GD, Spiegelaub AB, Seltzer CC:** Cigarette smoking and exposure to occupational hazards.
Am J Epidemiol 98:175-83, Sep 73

**Friedman SB, Glasgow LA:** Interaction of mouse strain and differential housing upon resistance to Plasmodium berghei. J Parasitol 59:851-4, Oct 73

**Friedmann TJ see Di Luzio NR**

**Frisch GD see Beatrice ES**

**Frith CH see McMurtry IF**

**Fry J:** The agonies of medicine in the USA.
Int J Health Serv 3:501-6, 1973

**Fuertes-de la Haba A, Bangdiwala IS, Pelegrina I:** Success of randomization in a controlled contraceptive experiment.
J Reprod Med 11:143-8, Oct 73

## G

**Gaĭdamakina GL see Vanina LV**

**Galactios E see Avram G**

**Galbraith JD see Wilson JM**

**Gale TF:** The interaction of mercury with cadmium and zinc in mammalian embryonic development.
Environ Res 6:95-105, Mar 73

**Galgóczy G see Mándi A**

**Galton MM see Nelson KE**

**Garcia H, Lijinsky W:** Studies of the tumorigenic effect in feeding of nitrosamino acids and of low doses of amines and nitrite to rats.
Z Krebsforsch 79:141-4, 7 May 73

**Garms R:** Quantitative studies on the transmission of Onchocerca volvulus by Simulium damnosum in the Bong Range, Liberia.
Z Tropenmed Parasitol 24:358-72, Sep 73

**Garms R:** Zur Verbreitung von Simulium damnosum in Liberia.
Z Tropenmed Parasitol 24:222-31, Jun 73 (Ger)

**Garrick JG, Requa RK:** Role of external support in the prevention of ankle sprains.
Med Sci Sports 5:200-3, Fall 73

**Garrison M Jr see Kahn JV**

**Gates GR, Chen CS:** Priming for audiogenic seizures in adult BALB-c mice. Exp Neurol 41:457-60, Nov 73

**Gates GR see Chen CS**

**Gaultier M, Bescol-Liversac J, Fréjaville JP, et al:** Etude anatomo-clinique et expérimentale de l'intoxication par le paraquat. Lésions ultrastructurales.
Sem Hop Paris 49:1972-87, 8 Jun 73 (Fre)

**Gavăt V see Apostol S**

**Geelen JA:** Vitamin A-induced anomalies in young rat embryos. Acta Morphol Neerl Scand 11:233-40, Oct 73

**Geissler A see Mehlan KH**

**Geldreich EE:** Water pollution: microbiology of water.
J Water Pollut Control Fed 45:1244-59, Jun 73

**Gelpi AP:** Migrant populations and the diffusion of the sickle-cell gene.
Ann Intern Med 79:258-64, Aug 73 (68 ref.)

**Gerke RJ see Billings CE**

**Gersdorff M, Van den Eeckhaut J:** Apport de l'impédancemétrie à l'étude de l'audiométrie supraliminaire.
Acta Otorhinolaryngol Belg 27:507-21, 1973 (Fre)

**Geselowitz DB see Grynszpan F**

**Gheiberg NW, Deleanu M:** Aspecte ale poluării atmosferei urbane şi locul ocupat de plumb în cadrul acesteia.
Rev Med Chir Soc Med Nat Iasi 77:507-12, Jul-Sep 73 (Rum)

**Ghibu F see Avram G**

**Gibson JE see Bus JS**

**Gill JB, Fraser FK, Smith JW:** Influenza vaccination in a training establishment.
J R Nav Med Serv 59:56-8, Summer 73

**Gilliet F:** Zoonosentherapie heute.
Praxis 62:1129-34, 11 Sep 73 (Ger)

**Gillis LS, Stone GL:** A follow-up study of psychiatric disturbance in a Cape Coloured community.
Br J Psychiatry 123:279-83, Sep 73

**Gimmy J see Druckrey H**

**Gimovsky ML see Ioachim HL**

**Giordani R see Bottex C**

**Gish O:** Resource allocation, equality of access, and health. Int J Health Serv 3:399-412, 1973

**Glasgow LA see Friedman SB**

**Glass RL, Rothman KJ, Espinal F, et al:** The prevalence of human dental caries and water-borne trace metals.
Arch Oral Biol 18:1099-104, Sep 73

**Glew RH see Collins WE**

**Glosser JW see Barkin RM**

**Gluck L:** Perinatal medicine.
South Med J 66:1068-9, Oct 73

**Goeckner DJ, Greenough WT, Mead WR:** Deficits in learning tasks following chronic overcrowding in rats.
J Pers Soc Psychol 28:256-61, Nov 73

**Goel NS see Strebel DE**

**Goff GD, Spiendlove JC, Adams AP, et al:** Emission of microbial aerosols from sewage treatment plants that use trickling filters.
Health Serv Rep 88:640-52, Aug-Sep 73

**Gognalons-Caillard M see Markson EW**

**Gold G, Duvall RN, Palermo BT, et al:** Dustiness of pharmaceutical formulations. I. Instrumentation.
J Pharm Sci 62:1530-3, Sep 73

**Goldsmith GA:** Nutrition and world health. 1972 Lenna Frances Cooper Memorial Lecture.
J Am Diet Assoc 63:513-8, Nov 73

**Goldstein H:** Letter: Smoking and pregnancy.
Nature 245:277, 5 Oct 73

**Goldstein MN see Molinari GF**

**Gomes WR see Hall RW**

**Goodwin A see Daniels-Severs A**

**Gordon TJ see Walker B**

**Gordon VI, Chikirdin EG, Kotlyarskaya OI:** Method of measuring the functional parameters of medical negatoscopes. Biomed Eng (NY) 7:112-3, Mar-Apr 73

**Gorman ML:** Societal constraints to comprehensive health care. Nurs Forum 12:175-86, 1973

**Grabowska M, Michalak J, Antkiewicz L:** Possible involvement of brain serotonin in apomorphine-induced hypothermia.
Eur J Pharmacol 23:82-9, Jul 73

**Graf H see Fiath F**

**Granick JL, Sassa S, Granick S, et al:** Studies in lead poisoning. II. Correlation between the ratio of activated to inactivated delta-aminolevulinic acid dehydratase of whole blood and the blood lead level.
Biochem Med 8:149-59, Aug 73

**Granick JL see Sassa S**

**Granick S see Granick JL**

**Granick S see Sassa S**

**Grant PW:** Comments on a proposed mechanism of formation of the "schizophrenic odor factor".
Res Commun Chem Pathol Pharmacol 6:335-6, Jul 73

**Grasso P see Hoosen J**

**Graybill JR, Marshall LW, Charache P, et al:** Nosocomial pneumonia. A continuing major problem.
Am Rev Respir Dis 108:1130-40, Nov 73

**Greaves JP:** Nutrition education-or education in child care? Indian Pediatr 10:347-9, Jun 73

**Green DE, Nemser DE:** Changes in cigarette smoking by women--an analysis, 1966 and 1970.
Health Serv Rep 88:631-6, Aug-Sep 73

**Green ID see Thomas DJ**

**Green MC, Azar CA, Maren TH:** Strain differences in susceptibility to the teratogenic effect of acetazolamide in mice. Teratology 8:143-5, Oct 73

**Greenough WT, Volkmar FR, Juraska JM:** Effects of rearing complexity on dendritic branching in frontolateral and temporal cortex of the rat.
Exp Neurol 41:371-8, Nov 73

**Greenough WT see Goeckner DJ**

**Gregor GL see Conner HS**

**Gregoriadis G, Buckland RA:** Enzyme-containing liposomes alleviate a model for storage disease.
Nature 244:170-2, 20 Jul 73

**Greliet M:** Traitement primaire des lésions des parties molles faciales dans les accidents de la circulation. I. Problèmes généraux.
Nouv Presse Med 2:2283-6, 29 Sep 73 (Fre)

**Griffin S see Chanda R**

**Griffiths BW:** Structural studies on antigen E of ragweed pollen. Can J Biochem 51:1275-80, Sep 73

**Griffiths NM see Hobson-Frohock A**

**Grigsby ME, Adetosoye JI:** Measles epidemiology and control in Western Nigeria.
J Natl Med Assoc 65:378-85, Sep 73

**Grimer AA, Zatsepin VG, Trakhanov DF:** Zashchita zhivotnovodcheskikh zdanii ot povrezhdenila

myshevidnymi gryzunami.
Veterinariia 9:39-42, Sep 72 (Rus)
**Grob K:** Organic substances in potable water and in its precursor. I. Methods for their determination by gas-liquid chromatography.
J Chromatogr 84:255-73, 26 Sep 73
**Groce AW, Miller ER, Ullrey DE, et al:** Selenium requirements in corn-soy diets for growing-finishing swine. J Anim Sci 37:948-56, Oct 73
**Groen JJ:** Pure tone audiometry and whispered voice test. Conformities and differences in tests results.
ORL 35:65-70, 1973
**Gross P, Harley RA Jr:** Asbestos-induced intrathoracic tissue reactions. Arch Pathol 96:245-50, Oct 73
**Groth DH see Clary JJ**
**Gruenberg EM:** Progress in psychiatric epidemiology.
Psychiatr Q 47:1-11, 1973
**Gruenfeld LS see Emmerich DS**
**Grunwell JR, Erickson RH:** Photolysis of parathion (O,O-diethyl-O-(4-nitrophenyl)thiophosphate). New products. J Agric Food Chem 21:929-31, Sep-Oct 73
**Grux EV see Shlyakhov EN**
**Grynszpan F, Geselowitz DB:** Model studies of the magnetocardiogram. Biophys J 13:911-25, Sep 73
**Grzybowski K:** Zanieczyszczenie powietrza atmosferycznego w Polsce.
Pol Arch Med Wewn 50:909-15, Sep 73 (Pol)
**Grzybowski S see Wilson JM**
**Guenzi WD see Mosier AR**
**Guiora AZ, Harrison SI:** What is psychiatry? A new model of service and education.
Am J Psychiatry 130:1275-7, Nov 73
**Gunesee H see Targett CS**
**Gurtin ME:** Letter: A system of equations for age-dependent population diffusion.
J Theor Biol 40:389-92, 15 Aug 73
**Guthrie FE see Shah PV**
**Gutmann FT:** Outline of procedures for processing American national standards.
Med Instrum 7:212-13, May-Aug 73
**Guyatt AR, Douglas JB, Zaskis E, et al:** Lung static recoil and airway obstruction in hemp workers with byssinosis. Am Rev Respir Dis 108:1111-5, Nov 73

## H

**Haas H, Mohr U, Krüger FW:** Comparative studies with different doses of N-nitrosomorpholine, N-nitrosopiperidine, N-nitrosomethylurea, and dimethylnitrosamine in Syrian golden hamsters.
J Natl Cancer Inst 51:1295-301, Oct 73
**Habermehl A:** Der Bioingenieur.
Munch Med Wochenschr 115:1409-12, 10 Aug 73 (Ger)
**Hacker RR, Stefanovic MP, Batra TR:** Effects of cold exposure on growing pigs: growth, body composition and 17-ketosteroids. J Anim Sci 37:739-44, Sep 73
**Haddon W Jr:** Energy damage and the ten countermeasure strategies.
Hum Factors 15:355-66, Aug 73
**Halberg F, Haus E, Cardoso SS, et al:** Toward a chronotherapy of neoplasia: tolerance of treatment depends upon host rhythms.
Experientia 29:909-34, 15 Aug 73 (84 ref.)
**Halbgebauer I see Neumark J**
**Hale HB, Hartman BO, Harris DA, et al:** Physiologic cost of prolonged double-crew flights in C-5 aircraft.
Aerosp Med 44:999-1008, Sep 73
**Hale RW see Johnson WR**
**Hall M see Coombs MM**
**Hall RW, Gomes WR:** Testosterone levels in the serum and testes of growing rats following prenatal exposure to busulphan.
J Reprod Fertil 35:131-4, Oct 73
**Hallenbeck GA:** Your future lies ahead.
Ala J Med Sci 10:216-9, Apr 73
**Halliman E, Rai KS:** Radiation sterilization of Aedes aegypti in nitrogen and implications for sterile male technique. Nature 244:368-9, 10 Aug 73
**Hamilton JM see Fiaka A**
**Hanlon JJ:** Emergency medical care as a comprehensive system. Health Serv Rep 88:579-87, Aug-Sep 73
**Hanna PJ see Dyer KF**
**Hanst PL see Hodgeson JA**
**Haralambie G see Kindermann W**
**Harbridge R:** Public education of the high risk population. J Reprod Med 11:169-70, Oct 73
**Hardy WD Jr, Old LJ, Hess PW, et al:** Horizontal transmission of feline leukaemia virus.
Nature 244:266-9, 3 Aug 73
**Hargreaves JA, Titley KC:** The dental health of Indian children in the Sioux Lookout Zone of Northwestern Ontario. J Can Dent Assoc 39:709-14, Oct 73
**Harley RA Jr see Gross P**
**Harney BM, McCrea DH, Forney AJ:** Aerial detection of vegetation damage utilizing a simple 35-mm camera system. J Air Pollut Control Assoc 23:788-90, Sep 73
**Harris CS, Sommer HC:** Interactive effects of intense noise and low-level vibration on tracking performance and response time. Aerosp Med 44:1013-6, Sep 73
**Harris DA see Hale HB**
**Harrison SH:** Pollicization for congenital deformities of the hand. Proc R Soc Med 66:634-7, Jul 73
**Harrison SI see Guiora AZ**
**Hartfield VJ:** An ante-natal record card for use in developing countries. Trop Doct 3:171-3, Oct 73
**Hartman BO see Hale HB**
**Hartz SC see Monson RR**
**Harvey DJ see Horning MG**
**Harvey J Jr, Jelinek AG, Sherman H:** Metabolism of methomyl in the rat.
J Agric Food Chem 21:769-75, Sep-Oct 73
**Harvey J Jr, Pease HL:** Decomposition of methomyl in soil. J Agric Food Chem 21:784-6, Sep-Oct 73
**Harvey J Jr, Reiser RW:** Metabolism of methomyl in tobacco, corn, and cabbage.
J Agric Food Chem 21:775-83, Sep-Oct 73
**Harvey W see Lenihan JM**
**Hasan FM, Kasemi H:** Progress report. U.S. Beryllium Case Registry, 1972.
Am Rev Respir Dis 108:1252-3, Nov 73
**Hassanein K see Miller HC**
**Häufele A, Sprockhoff H von:** Ozon als Deinfektionsmittel gegen vegatative Bakterien, Bazillensporen, Pilze und Viren in Wasser.
Zentralbl Bakteriol [Orig B] 157:53-70, Apr 73 (Ger)
**Haupt BJ:** The National Reporting System for Family Planning Services.
Health Serv Rep 88:837-9, Aug-Sep 73
**Haus E see Halberg F**
**Hausmanowa-Petrusewicz I see De Jesus PV**
**Hayes JA see Berman LD**
**Hayes WF, Nyaku NY, Burns DT, et al:** Separation and identification of food dyes. V. Examination of ponceau 6R dyes: extraction of dyes from confectionery products (cakes, cake mixtures and pastries).
J Chromatogr 84:195-9, 12 Sep 73
**Heath MC:** The medical technologist's changing environment. Hosp Prog 54:82-5, Oct 73
**Heberling RL see Kalter SS**
**Hecht K see Baumann H**
**Heide KG, Petersen N:** Populationsgenetik der 6-Phosphogluconatdehydrogenase (E.C.1.1.1.44) in Schlewwig-Holstein.
Z Rechtsmed 72:121-3, 30 Apr 73 (Ger)
**Heidman JA, Brunner DR:** Solid waste and water quality. J Water Pollut Control Fed 45:1198-202, Jun 73
**Heines TS, Peters LK:** An analytical investigation of the effect of a first order chemical reaction on the dispersion of pollutants in the atmosphere.
Atmos Environ 7:153-62, Feb 73
**Heise AL, Mullins MK, Hill CJ, et al:** Meeting the dental treatment needs of indigent rural children.
Health Serv Rep 88:591-600, Aug-Sep 73
**Helfand AE:** At the foot of South Mountain. A 5-year longitudinal study of foot problems and screening in an elderly population.
J Am Podiatry Assoc 63:512-21, Oct 73
**Hellman LM:** Choices and challenges for the Federal family planning program.
Am J Obstet Gynecol 117:782-93, 15 Nov 73
**Helt EH:** Economic determinism: a model of the political economy of medical care.
Int J Health Serv 3:475-85, 1973
**Henderson V see Enterline PE**
**Henkind P, Leitman M, Weitzman E:** The diurnal curve in man: new observations.
Invest Ophthalmol 12:705-7, Sep 73
**Henryk-Gutt R, Rees WL:** Psychological aspects of migraine. J Psychosom Res 17:141-53, Mar 73
**Henschler D:** Toxicological problems relating to changes in the environment.
Angew Chem [Engl] 12:274-82, 1973
**Hensel EG see Thompson CR**
**Herd J see Frain-Bell W**
**Hernsdorfer WH see Wernsdorfer G**
**Hertzberg LJ see Chabon RS**
**Herzlinger RE, Moore GT:** Management control systems in health care. Med Care 11:416-29, Sep-Oct 73
**Hersog K:** Uber die Verletzungsschweregrade bei verunfallten Menschen.
Munch Med Wochenschr 115:1309-14, 20 Jul 73 (Ger)
**Hess PW see Hardy WD Jr**
**Hetznecker W, Forman MA:** Service and values. Psychiatry 36:311-24, Aug 73
**Hicks RM, Wakefield JS, Chowaniec J:** Letter: Co-carcinogenic action of saccharin in the chemical induction of bladder cancer. Nature 243:347-9, 8 Jun 73
**Hicks RM, Wakefield JS, Chowaniec J:** Impurities in saccharin and bladder cancer.
Nature 243:424, 15 Jun 73
**Hill CJ see Heise AL**
**Hill RM:** Editorial: Teratogenesis and antiepileptic drugs. N Engl J Med 289:1089-90, 15 Nov 73
**Hillman RB see Kahrs RF**
**Hintz HF, Schryver HF:** Magnesium, calcium and phosphorus metabolism in ponies fed varying levels of magnesium. J Anim Sci 37:927-30, Oct 73
**Hirosawa K see Murakami M**
**Hobelka CP, Rockwell RJ Jr:** Laser microsurgery in experimental otolaryngology.
Trans Am Acad Ophthalmol Otolaryngol 76:325-33, Mar-Apr 73
**Hobson-Frohock A, Land DG, Griffiths NM, et al:** Letter: Egg taints: association with trimethylamine.
Nature 243:204-5, 1 Jun 73
**Hodgeson JA, McClenny WA, Hanst PL:** Air pollution monitoring by advanced spectroscopic techniques.
Science 182:248-58, 19 Oct 73
**Hofert C, Pantelíadis C, Dolif D, et al:** Bilanzierte parenterale Ernährung von Frühgeborenen.
Monatsschr Kinderheilkd 121:525-30, Aug 73 (Ger)
**Hoffmann ER see McLean JR**
**Holder AR:** Medical premises liability. Part 1.
JAMA 226:597-8, 29 Oct 73
**Holguin H see Lopes F**
**Holliday J, Barnes RD:** The normal transplacental passage of maternal red cells in mice.
Cell Tissue Kinet 6:455-9, Sep 73
**Holm DG see Fitz-Earle M**
**Holsen H see Kirchner M**
**Holt AB, Cheek DB, Kerr GR:** Prenatal hypothyroidism and brain composition in a primate.
Nature 243:413-5, 15 Jun 73
**Holt J see Seaman J**
**Hood OC see Smyth NF**
**Hoodless RA, Tarrant KR:** Residues of prophylactics in animal products. 3. The determination of carbarsone in poultry meat. Analyst 98:503-5, Jul 73
**Hooper BM see Mathews JD**
**Hooson J, Grasso P, Mattocks AR:** An investigation into the carcinogenicity of monocrotaline pyrrole.
J Pathol 110:95-9, Jul 73
**Hoover V see Terkel J**
**Hoppner K, Lampi B, Perrin DE:** Folacin activity of frozen convenience foods.
J Am Diet Assoc 63:536-9, Nov 73
**Hornbeck CL see Bradley DW**
**Horning MG, Harvey DJ, Nowlin RJ, et al:** The use of gass chromatography-mass spectrometry methods in perinatal pharmacology.
Adv Biochem Psychopharmacol 7:113-24, 1973
**Horton PS, Soule DJ, Cavanaugh CT:** Procurement of teaching patients: cooperative effort between social service agencies and dental school.
J Dent Educ 37:41-2, Nov 73
**Horvath SM see Tucker A**
**Hosannah Y see Blackwood CE**
**Howard WE see Marsh RE**
**Howe JM see Tewell JE**
**Hrabač T see Ljutovac M**
**Huba GJ see Stallone F**
**Huber GL see LaForce FM**
**Huff JC see Bryan JA**
**Hughes D:** Laboratory ventilation and fume dispersal.
Chem Br 8:288-92, Jul 72
**Hughes PC, Nowak M:** The effect of the number of animals per cage on the growth of the rat.
Lab Anim 7:293-6, Sep 73
**Hugon JS see Corriveau M**
**Hull EM, Rosselli L, Langan CJ:** Effects of isolation and grouping on guinea pigs. Behav Biol 9:493-7, Oct 73
**Humpmer K:** Frigen 113 TR-T- ein schonendes Lösemittel zur Reinigung von Metall-und Metall-Kunststoff-Teilen.
Zentralbl Arbeitsmed 23:179-80, Jun 73 (Ger)
**Hüppi GA see Church AR**
**Hurley RG, White EW:** Rapid new soft x-ray technique for determination of quartz in coal mine dusts.
Am Ind Hyg Assoc J 34:229-34, Jun 73
**Hurt WD see Rustan PL**
**Hutcheson DP see Brown RV**
**Huth F see Pott F**
**Hutzinger O see MacNeil JD**
**Huygen PL see Marres EH**

## I

**Iampietro PF see Collins WE**
**Ikram H see Fowler PB**
**Il'nitskii AP, Sherenesheva NI, Kutakov KV:** K voprosu ob effektivnosti obezvrezhiva nila vody, soderzhashchei benz(a)piren, na ochistnykh sooruzheniiakh vodoprovodnykh stantsii.
Gig Sanit 37:24-6, Nov 72 (Rus)
**Ilson JB see Scherzer AL**
**Incze JS, Merriam J Jr:** The energy crisis.
Lancet 2:918, 20 Oct 73
**Ingelfinger FJ:** Editorial: Fighting carcinogens with underwear. N Engl J Med 289:1091-2, 15 Nov 73
**Ioachim HL, Gimovsky ML, Keller SE, et al:** Maternal vaccination with formalin-inactivated Gross lymphoma virus in rats and transfer of immunity to offspring. Proc Soc Exp Biol Med 144:376-9, Nov 73
**Ioseliani KK, Chaikova LD, Beletskii ME:** Ob informativnykh parametrakh psikhofiziologicheskogo sostoianiia letnogo sostava pri rabote s indikatorom.
Kosm Biol Med 7:62-8, May-Jun 73 (Rus)
**Ippen H:** Verätzungen beim Baden. Ein differentialdiagnostischer Beitrag.
Dtsch Med Wochenschr 98:2048-9, Oct 73 (Ger)
**Irsigler K see Zasgornik J**
**Irving GS see Berman SJ**
**Isaev LA see Andryushchenko AS**
**Iseman MD:** Letter: Infection with Mycobacterium avium in monkeys.
Am Rev Respir Dis 108:713-4, Sep 73
**Ito N, Nagasaki H, Arai M, et al:** Histologic and ultrastructural studies on the hepatocarcinogenicity of benzene hexachloride in mice.
J Natl Cancer Inst 51:817-26, Sep 73
**Ittig M see Westlake WE**
**Iukhvidova ZhM:** Nekotorye nauchnye aspekty sovremennoi proktologii.
Sov Med 35:57-62, Nov 72 (Rus)
**Ivakina VN:** Statisticheskie materialy o razvitii statsionarnoi meditsinskoi pomoshchi v RSFS.
Zdravookhr Ross Fed 17:34-43, Jun 73 (Rus)
**Ivanaevskii VS, Ardatova AN:** Vydelenie etilmerkurkhlorida s molokom korov.
Veterinariia 9:88-9, Sep 72 (Rus)
**Ivankovic S see Druckrey H**
**Ivankovic S see Zeller WJ**
**(Ivy RH), Edgerton MT:** Deformity is a disease.
Trans Stud Coll Physicians Phila 41:124-30, Oct 73

## J

**Jackson GJ, Ford JB:** The feeding behaviour of Phytoseiulus persimilis (Acarina: Phytoseiidae), particularly as affected by certain pesticides.
Ann Appl Biol 75:165-71, Oct 73
**Jackson S see Richter ED**
**Jacobsen AM see Paulson GD**
**Jako GJ see Strong MS**
**James NF see Elliott M**
**Jarcho S:** Some early demographic maps.
Bull NY Acad Med 49:837-44, Sep 73
**Jardillier JC, Desmet G:** Etude du fluor sérique et de ses combinaisons par une technique utilisant une électrode spécifique.
Clin Chim Acta 47:357-63, 14 Sep 73 (Fre)
**Jelinek AG see Harvey J Jr**
**Jenkins DR, Voisey MA:** The catalytic reduction of nitric oxide in automobile exhaust gases--II. The kinetics of the reactions of carbon monoxide with nitric oxide and/or oxygen on an oxidized stainless-steel surface.
Atmos Environ 7:187-99, Feb 73
**Jenkins DR, Voisey MA:** The catalytic reduction of nitric oxide in automobile exhause gases--I. Tests of iron-containing materials.
Atmos Environ 7:177-86, Feb 73
**(Jenner E), Le Fanu WR:** Edward Jenner.
Proc R Soc Med 66:664-8, Jul 73
**Jenny M:** Ernährungsprobleme in der postoperativen Phase. Dtsch Med Wochenschr 98:2032-4, Oct 73 (Ger)
**Jernelöv A, Wallin T:** Air-borne mercury fall-out on snow around five Swedish chlor-alkali plants.
Atmos Environ 7:209-14, Feb 73

# AUTHOR SECTION


**Jindřichová J see Šimko A**

**Jirouš J:** K některým problémům pracovní náplně obvodních lékařů.
Cesk Zdrav 21:385-9, Sep 73 (Cze)

**Jo BH see Yu NT**

**Joachimsthaler J see Chaloupková E**

**Johnson BL see Nelson JK**

**Johnson DE:** VA health care delivery: its relation to dentistry. J Prosthet Dent 30:487-8, Oct 73

**Johnson EF:** Modern implementation of Denmark's tradition of health care delivery.
Health Serv Rep 88:624-30, Aug-Sep 73

**Johnson FN, Cochrane R:** Letter: Drinking-water lithium and sites of mental hospitals.
Lancet 2:976, 27 Oct 73

**Johnson RL:** Health care myths.
Hosp Prog 54:55-8, Oct 73

**Johnson WR, Hale RW, Clough SC:** Letter: Formation of molecular nitrogen by a burning cigarette.
Nature 244:51-2, 6 Jul 73

**Johonnott SC:** Differences in chronic otitis media between rural and urban Eskimo children: a comparative study.
Clin Pediatr (Phila) 12:415-9, Jul 73

**Jones JS:** Ecological genetics and natural selection in molluscs. Science 182:546-52, 9 Nov 73

**Jorgensen V:** Editorial: The gynecologist and the sexually liberated woman.
Obstet Gynecol 42:607-11, Oct 73

**Joyeux H see Solassol C**

**Juchmes J, Lecomte J, Machtelinckx P:** Sur les propriètès physiques des bains de tourbe règènèrès.
J Dent Assoc S Afr 28:23-7, Jan-Feb 73 (Fre)

**Judd SH see Dryden SL**

**Jühe S, Lange CE, Stein G, et al:** Uber die sogenannte Vinylchlorid-Krankheit.
Dtsch Med Wochenschr 98:2034-7, Oct 73 (Ger)

**Juraska JM see Greenough WT**

## K

**Kachakhidze AV, Machavariani AT, Chkonlia TG, et al:** Aérozol'naia vaktsinatsiia ptits protiv psedochumy.
Veterinariia 9:63-4, Sep 72 (Rus)

**Kacser H, Bulfield G, Wallace ME:** Histidinaemic mutant in the mouse. Nature 244:77-9, 13 Jul 73

**Kadymov RA see Safarov IuB**

**Kahn JV, Garrison M Jr:** Self-concept measurement and placement of adolescent inner-city EMRs.
Train Sch Bull (Vinel) 70:80-3, Aug 73

**Kahrs RF, Hillman RB, Todd JD:** Observations on the intranasal vaccination of pregnant cattle against infectious bovine rhinotracheitis and parainfluenza-3 virus infection.
J Am Vet Med Assoc 163:437-41, 1 Sep 73

**Kajii T, Kida M, Takahashi K:** The effect of thalidomide intake during 113 human pregnancies.
Teratology 8:163-6, Oct 73

**Kakande ML, Bennett FJ, Rawji F:** Selected aspects of the health of old people in rural Buganda.
Drug Ther Bull 49:970-82, Dec 72

**Kalter SS, Heberling RL, Panigel M, et al:** Fetal infection of the baboon (Papio cynocephalus) with vaccinia virus.
Proc Soc Exp Biol Med 143:1022-4, Sep 73

**Kamieńska K see Krynski S**

**Kampelmacher EH, Noorle Jansen LM van:** Comparative studies on the isolation of salmonella from effluents.
Zentralbl Bakteriol [Orig B] 157:71-7, Apr 73

**Kampmeier RH:** The role of public education in VD control. J Reprod Med 11:165-8, Oct 73

**Kandall SR, Landaw SA, Thaler MM:** Carboxyhemoglobin exchange between donors and recipients of blood transfusions.
Pediatrics 52:716-8, Nov 73

**Kantz AD see Schulz RK**

**Kaplan BC, Civetta JM, Nagel EL, et al:** The military anti-shock trouser in civilian pre-hospital emergency care. J Trauma 13:843-8, Oct 73

**Kaplan D see Bettelheim FA**

**Karaseva EV, Chernukha YG, Piskunova LA:** Results of studying the time of survival of pathogenic leptospira under natural conditions.
J Hyg Epidemiol Microbiol Immunol (Praha) 17:339-45, Mar 73

**Kasel JA see Couch RB**

**Kasprzak KS, Marchow L, Breborowicz J:** Pathological reactions in rat lungs following intratracheal injection of nickel subsulfide and 3,4-benzpyrene.
Res Commun Chem Pathol Pharmacol 6:237-45, Jul 73

**Katatsky ME see Becker MH**

**Kats G see Thompson CR**

**Kattermann, R:** Indikation, Durchführung und Bewertung blutchemischer Profile--eine ärztliche Aufgabe. Med Welt 24:893-6, 25 May 73 (Ger)

**Kauchtschischvili G see Favino A**

**Kaufman L see Seitz V**

**Kaunitz H:** Ebbgewohnheiten und Ernährung. Historische und medizinische Wurzeln.
Wien Klin Wochenschr 85:653-7, 5 Oct 73 (Ger)

**Kawai T, Salvaggio J, Arquembourg P, et al:** Precipitating antibodies against organic dust antigens in human sera by counterimmunoelectrophoresis.
Chest 64:420-5, Oct 73

**Kazarian AS see Kostanian AA**

**Kazemi H see Hasan FM**

**Keil LC see Daniels-Severs A**

**Keller SE see Ioachim HL**

**Kempff PG, Pitout MH, Watt JJ van der:** The long-term influence of sterigmatocystin on mouse and rat liver nuclear deoxyribonucleases.
Biochem Pharmacol 22:2490-2, 1 Oct 73

**Kendle KE, Lazarus A, Rowe FP, et al:** Sterilization of rodent and other pests using a synthetic oestrogen.
Nature 244:105-8, 13 Jul 73

**Kennedy GL Jr, Frawley JP, Calandra JC:** Multigeneration reproductive effects of three pesticides in rats.
Toxicol Appl Pharmacol 25:589-96, Aug 73

**Kenny FM, Angsusingha K, Stinson D, et al:** Unconjugated estrogens in the perinatal period.
Pediatr Res 7:826-31, Oct 73

**Kerley MA:** Incisor fluorosis in mice fed fish protein concentrate. J Comp Neurol 52:626, May-Jun 73

**Kerr GR see Holt AB**

**Kerr LE:** APHA and the affiliates.
Am J Public Health 63:838-40, Oct 73

**Keshishian JM see Smyth NP**

**Khan H, Khan MH:** Cytogenetische Untersuchungen bei chronischer Benzolexposition.
Arch Toxikol 31:39-49, 30 Aug 73 (Ger)

**Khan MH see Khan H**

**Khosla T, Lowe CR:** Letter: Relative risks of obesity and smoking. Br Med J 4:106, 13 Oct 73

**Khuri-Bulos N:** Meningococcal meningitis following rifampin prophylaxis.
Am J Dis Child 126:889-91, Nov 73

**Kibelstis JA, Morgan EJ, Reger R, et al:** Prevalence of bronchitis and airway obstruction in American bituminous coal miners.
Am Rev Respir Dis 108:886-93, Oct 73

**Kida M see Kajii T**

**Kiddy CA, Bailey LF:** Sex ratio in rabbits from semen subjected to altered atmospheric pressure.
J Anim Sci 37:763-9, Sep 73

**Kim HW see Brandt CD**

**Kim YS see Leung G**

**Kindermann W, Haralambie G, Koek J, et al:** Säure-Basen-Haushalt und Lactatspiegel im arteriellen Blut bei Ruderern nach olympischen Wettkämpfen. Med Welt 24:1176-8, 27 Jul 73 (Ger)

**King JA see Post EM**

**Kirchgessner M, Pallauf J:** Zum Einflubb von Fe-, Co- bzw. Ni-Zulagen bei Zinkmangel.
Z Tierphysiol 31:268-74, Jul 73 (Ger)

**Kirchner M, Holsen H, Norpoth K:** Fluoreszenzspektroskopische Bestimmung ovulationshemmender Steroide aus Wasser und Abwässern auf der DC-Platte.
Zentralbl Bakteriol [Orig B] 157:44-52, Apr 73 (Ger)

**Klastersky J:** Double-blind trial to compare two dosages of co-trimoxazole in the treatment of hospital infections. Chemotherapy 18:358-68, 1973

**Klaus H, Meurer J, Sullivan A:** Teenage pregnancy: multidisciplinary treatment and teaching.
J Med Educ 48:1027-9, Nov 73

**Klemmack DL see Edwards JN**

**Klenner MF see Weber G**

**Klessmann E:** Therapiemöglichkeiten bei jüngeren Drogenkonsumenten in der Erziehungsberatungsstelle einer Kleinstadt.
Prax Kinderpsychol Kinderpsychiatr 22:225-30, Aug-Sep 73 (Ger)

**Kline JA, Roberts AC:** A residential alcoholism treatment program for American Indians.
Q J Stud Alcohol 34:860-8, Sep 73

**Klinger KP see Strasser H**

**Kiss P see Tesaf J**

**Klockow D, Rönicke G:** An amplification method for the determination of particle-sulphate in background air.
Atmos Environ 7:163-8, Feb 73

**Kloeti R see Schirmer KE**

**Klose HJ see Schmid-Schönbein H**

**Knaap AG see Kramers PG**

**Knickrehm ME see Chilson BD**

**Knight WM see Owens FN**

**Koek J see Kindermann W**

**Kohen DP, Yost G, Lyle J:** Letter: Indian health services, continued. Pediatrics 52:756, Nov 73

**Kohli J, Zarif S, Weisgerber I, et al:** Fate of aldrin-14C in sugar beets and soil under outdoor conditions.
J Agric Food Chem 21:855-7, Sep-Oct 73

**Kolak A see Djordjević Z**

**Kolodner EL:** Neighborhood Extension of Activity Therapy. Am J Occup Ther 27:381-3, Oct 73

**Kominos SD see Schroth MN**

**Komletzko H, Elster I:** Cardiotoxische Wirkungen von Trichloräthylen.
Arch Toxikol 31:93-8, 30 Aug 73 (Ger)

**Koper A:** Human factors in prosthodontic treatment.
J Prosthet Dent 30:678-9, Oct 73

**Korcok M:** Saskatchewan global budget concept acceptable, Smishek claims. But support looks thin.
Can Med Assoc J 109:525-6 passim, 15 Sep 73

**Korcok M:** Study on Saskatchewan community clinics suggests total health expenditure not less.
Can Med Assoc J 109:648 passim, 6 Oct 73

**Korol'kov VI, Lunev IIa, Narbekov ON, et al:** Vliianie stupenchatof adaptatsii k vysokogor'iu na dykhatel'nuiu funktsiiu i kislotno-shchelochnoe ravnovesie krovi pri razlichnykh rezhimakh dvigatel'nof aktivnosti ispytuemykh.
Kosm Biol Med 7:40-3, May-Jun 73 (Rus)

**Korshunova GF see Chizhov SV**

**Kostanian AA, Kazarian AS:** Vliianie uslovii soderzhaniia na immunologicheskie i fiziologicheskie funktsii zhivotnykh. Veterinariia 9:33-5, Sep 72 (Rus)

**Kostenbader KD Jr, Cliver DO:** Filtration methods for recovering enteroviruses from foods.
Appl Microbiol 26:149-54, Aug 73

**Kotlyarskaya OI see Gordon VI**

**Kovařík J see Šimko A**

**Kovarik M:** Radiation penetrance of protective covers.
J Appl Physiol 35:562-3, Oct 73

**Kozlowski S, Soltysiak J, Brzezińska Z, et al:** Blood catecholamines and thyroxine in men exposed to high environmental temperatures.
Acta Physiol Pol 24:517-24, Jul-Aug 73

**Krakówka P:** Wpływ zanieczyszczeń powietrza o działaniu uczulającym na układ oddechowy.
Pol Arch Med Wewn 50:917-22, Sep 73 (Pol)

**Kralewski JE, Levine FB:** The physician manpower question revisited. Hospitals 47:53-5, 16 Oct 73

**Kramers PG, Knaap AG:** Mutagenicity tests with captan and folpet in Drosophila melanogaster.
Mutat Res 21:149-54, Jun 73

**Krause EA:** Health planning as a managerial ideology.
Int J Health Serv 3:445-63, 1973

**Krause W see Möbius W**

**Krüger FW see Haas H**

**Krüger FW see Pour P**

**Krugiyí MM see Dovzhanskiĭ SI**

**Krugman S, Perkins FT:** Vaccination against communicable diseases.
Am J Dis Child 126:406-8, Sep 73

**Krynski S, Becia E, Kamieńska K:** Application of cohort isolation principles to the rooming-in of babies and their mothers in hospital staphylococcal cross-infections.
J Hyg Epidemiol Microbiol Immunol (Praha) 17:323-8, Mar 73

**Kryspin-Exner K see Zazgornik J**

**Kučera J, Doležalová V:** Prenatal development of malformed fetuses at 28-42 weeks of gestational age (anencephalus, hydrocephalus, Down's syndrome, cleft lip and palate, and hypospadias).
Biol Neonate 22:319-24, 1973

**Kühl M:** Zur Aufgave der beruflichen Beschäftigung von Ekzemkranken. Erläuterungen zu diesem Teil der Nr. 46 der Liste der Berufskrankheiten-Verordnung vom 20.6.1968.
Berufsdermatosen 21:159-68, Aug 73 (Ger)

**Kumar AV:** A flaying type of injury to the anterior abdominal wall. Injury 5:63-4, Aug 73

**Kundin WD see Berman SJ**

**Kunz C see Aspöck H**

**Kürschner D see Mitti RN**

**Kusch D, Sineli HJ:** Anwendung der Lysotypie zur Differenzierung von Staphylokokken aus Lebensmitteln.
Zentralbl Bakteriol [Orig B] 157:78-88, Apr 73 (Ger)

**Kusel JP, Storey BT:** CO-binding pigments and the functional terminal oxidase of the trypanosomatid hemoflagellate Crithidia fasciculata.
Biochim Biophys Acta 314:164-77, 31 Aug 73

**Kutakov KV see Il'mitskii AP**

## L

**Labarthe D, Reed D, Brody J, et al:** Health effects of modernization in Palau.
Am J Epidemiol 98:161-74, Sep 73

**Lachapelle JM, Lamy F:** On allergic contact dermatitis to virginiamycin. Dermatologica 146:320-2, 1973

**Lachman RS see Thibeault DW**

**LaForce FM, Huber GL, Fahey JM:** The focality of urban tuberculosis. A look at Boston and its South End. Am Rev Respir Dis 108:553-8, Sep 73

**Lamb S see Weiss J**

**Lampi B see Hoppner K**

**Lamy F see Lachapelle JM**

**Lamy PP see Rosenstein S**

**Land DG see Hobson-Frohock A**

**Landaw SA see Kandall SR**

**Lane JC see Mayer HB**

**Langan CJ see Hull EM**

**Langauer-Lewowicka H:** Reakcje układu wegetatywnego w przewlekłej ołowicy.
Neurol Neurochir Pol 7:509-14, Jul-Aug 73 (Pol)

**Lange CE see Jühe S**

**Laskey JW, Parrish JL, Cahill DF:** Some effects of lifetime parental exposure to low levels of tritium on the F2 generation. Radiat Res 56:171-9, Oct 73

**Lassiter S see Bloch WN Jr**

**Last G, Last G:** Wirtschaftliche, arbeitsmedizinische und Gastarbeiter-Probleme Tunesiens.
Munch Med Wochenschr 115:1329-35, 3 Aug 73 (Ger)

**Last G see Last G**

**Lauber JK see Oishi T**

**Lauber JK see Vriend J**

**Lauer RH:** The social readjustment scale and anxiety: a cross-cultural study. J Psychosom Res 17:171-4, Jul 73

**Laul VR see Thibeault DW**

**Lavelle CL:** Malalignment of teeth in different human ethnic groups. J Comp Neurol 52:627, May-Jun 73

**LaVerne AA, DiMaio DJ, Fernandez AJ:** Occupational, accidental, explorational carbon dioxide inhalation poisonings, and prevention.
Behav Neuropsychiatry 4:33-48, Feb-Sep 73

**Lawlor WG see Stallone F**

**Laws ER Jr, Maddrey WC, Curley A, et al:** Long-term occupational exposure to DDT.
Arch Environ Health 27:318-21, Nov 73

**Layton CR Jr see DePico GA**

**Lazarus A see Kendle KE**

**Leach LJ see Ferin J**

**Lebedev VP see Tabolin VA**

**Lebowitz MD:** Population in relation to development, resources, and health.
Perspect Biol Med 16:599-604, Summer 73

**Lebowitz MD:** A comparative analysis of the stimulus-response relationship between mortality and air pollution-weather.
Environ Res 6:106-18, Mar 73

**Lebowitz MD, Toyama T, McCarroll J:** The relationship between air pollution and weather as stimuli and daily mortality as responses in Tokyo, Japan, with comparisons with other cities.
Environ Res 6:327-33, Sep 73

**Lecomte J see Juchmes J**

**Ledes CP see Bisno AL**

**Ledoux A:** Personal observation of cochlear traumas.
ORL 35:189-94, 1973

**Lee JA, Tallis JH:** Regional and historical aspects of lead pollution in Britain. Nature 245:216-8, 28 Sep 73

**Lee ML, Burrell DC:** Soluble aluminum in marine and fresh water by gas-liquid chromatography.
Anal Chim Acta 66:245-50, Sep 73

**Lee ML see Novotny M**

**Lee P see Sebestony A**

**Lee RE Jr, Lehmden DJ:** Trace metal pollution in the environment.
J Air Pollut Control Assoc 23:853-7, Oct 73

**Leeton J, Eyles M:** A study of 2,245 women attending a hospital family planning clinic in Melbourne and the effect of the clinic on the hospital birth rate.
Med J Aust 2:67-70, 14 Jul 73

**Le Fanu WR:** Edward Jenner.
Proc R Soc Med 66:664-8, Jul 73

# AUTHOR SECTION

**Legros J, Rosner L, Berger C:** Influence du niveau d'éclairement ambiant sur les modifications oculaires induites par l'hydroxychloroquine chez le rat. Arch Ophtalmol (Paris) 33:417-24, May 73 (Fre)

**Lehman HR:** Flame-resistant fabrics. Hospitals 47:98-106, 16 Oct 73

**Lehmden DJ see Lee RE Jr**

**Leibowitz HM, Berkow JW:** Band keratopathy after ocular exposure to visible laser radiation. Am J Ophthalmol 76:468-71, Oct 73

**Leitman M see Henkind P**

**Leland HV see Shukla SS**

**Lemma A see Spielman A**

**Lenihan JM, Smith H, Harvey W:** Mercury hazards in dental practice. Assessment and control by activation analysis. Br Dent J 135:365-9, 16 Oct 73

**Lenox RH, Frazier TW:** Methadone induced mortality as a function of the circadian cycle. Nature 244:101-2, 13 Jul 73

**Leshchinskaia NP:** O primenenii solnechnykh vann v kompleksnom kurortno-klimaticheskom lechenii i bol'nykh s posledstviiami zakrytoĭ travmy cherepa. Vopr Kurortol Fizioter Lech Fiz Kult 38:214-7, May-Jun 73 (Rus)

**Leshner AI see Svare BB**

**Leung G, Kim YS, Zeitlin H:** An improved separation and determination of uranium in seawater. Anal Chim Acta 60:229-32, Jun 72

**Leutner R:** Gestorbene Säuglinge 1970 nach Körperlänge und Gewicht bei der Geburt sowie nach Todesursachen. Ergebnisse einer Sonderauszählung. Monatsschr Kinderheilkd 121:559-66, Aug 73 (Ger)

**Levin S see Stein H**

**Levine PH see Kralewski JE**

**Levinson P:** Religious delusions in counter-culture patients. Am J Psychiatry 130:1265-9, Nov 73

**Levichon SR:** Letter: What shall replace lead in gasoline? N Engl J Med 289:1096, 15 Nov 73

**Leviton A:** Letter: Definitions of attributable risk. Am J Epidemiol 98:231, Sep 73

**Levitz GS see Markson EW**

**Levy M, Morse PK, Liebelt RA, et al:** Use of the learning environment questionnaire to assess curricular change. J Med Educ 48:840-5, Sep 73

**Lew EA:** High blood pressure, other risk factors and longevity: the insurance viewpoint. Am J Med 55:281-94, Sep 73

**Lewert RM see Murrell KD**

**Lewis JM see Rasmusen BA**

**Lewis MF:** Frequency of anti-collision observing responses by solo pilots as a function of traffic density, ATC traffic warnings, and competing behavior. Aerosp Med 44:1048-50, Sep 73

**Lewis R see Baume P**

**Lewis ST:** Barotrauma in United States Air Force accidents-incidents. Aerosp Med 44:1059-61, Sep 73

**Leshava GG:** Microelectrode investigations of unit activity in experimental photogenic epilepsy. Neurosci Behav Physiol 6:122-6, Apr-Jun 73

**Lichtenstein H see Macdonald EJ**

**Liebelt RA see Levy M**

**Lijinsky W see Garcia H**

**Lilleho] EB, Milburn MS:** Viriditoxin production by Aspergillus viridi-nutans and related species. Appl Microbiol 26:202-5, Aug 73

**Lillibridge CB:** A smiple system to block toddlers form reaching toxic ingestibles: add a spring and two latches to all doors where danger lurks. Clin Pediatr (Phila) 12:441-4, Jul 73

**Lim KH:** Epidemic conjunctivitis: discovery of a new aetiologic agent. Singapore Med J 14:82-5, Jun 73

**Lim KE, Yin-Murphy M:** Epidemic conjunctivitis in Singapore in 1970 and 1971. Singapore Med J 14:86-9, Jun 73

**Limaye C see Phadke MV**

**Linch AL see McLaughlin M**

**Lindvall T, Svensson LT:** A quantitative principle of perceived intensity summation in odor mixtures. J Exp Psychol 100:29-38, Sep 73

**Lis AW, McLaughlin DI, McLaughlin RK, et al:** The function of creatinine. II. Nocturnal-diurnal variation. Physiol Chem Phys 4:70-4, 1972

**List DM see Palmer JK**

**Ljutovac M, Hrabač T:** Proces programiranja u zdravstvu iz aspekta uloge zdravstvenih radnika sa do fakultetskim stepenima edukacije. Nar Zdrav 29:6-9, Jan 73 (Cro)

**Lloyd JB see Cauffman JG**

**Lo AM:** Cardiac rupture secondary to blunt trauma. Med Trial Tech Q 20:60-5, Summer 73

**Lo Y see Yew ML**

**Loadholt CB see Sagel J**

**Lob M see Bolliat MA**

**Loevy HT, Catchpole HR:** Lithium ion in cleft palate teratogenesis in CD1 mice. Proc Soc Exp Biol Med 144:644-6, Nov 73

**Loh RC:** Editorial. Singapore epidemic conjunctivitis. Singapore Med J 14:88, Jun 73

**Londeño F:** Thalidomide in the treatment of actinic prurigo. Int J Dermatol 12:336-8, Sep-Oct 73

**Longton RW:** Production of lesions in various tissues by amino acids. Experientia 29:1013-5, 15 Aug 73

**Loomis S see Price EO**

**Lopez F, Lopez JH, Holguin H, et al:** An outbreak of acute polyradiculoneuropathy in Columbia in 1968. Am J Epidemiol 98:238-50, Sep 73

**Lopez JH see Lopez F**

**Lorenz W, Rohde H:** Editorial: Probleme bei der Durchführung einer prospektiven, kontrollierten Studie über chirurgische Behandlungsmethoden. Klin Wochenschr 51:475-6, 15 May 73 (Ger)

**Lorich U see Friberg L**

**Lossnitzer K, Faulhaber JD, Stauch M:** Elektrokardiographische Frühbeobachtungen in kurzzeitiger Folge nach Blitzschlag. Z Kardiol 62:520-5, Jun 73 (Ger)

**Lotlikar PD, Wasserman MB, Luha L:** Effect of 3-amino-1,2,4-triazole pretreatment on N- and ring-hydroxylation of 2-acetylaminofluorene by the rat. Proc Soc Exp Biol Med 144:445-9, Nov 73

**Lotti M see Reggiani A**

**Lowe CR see Kbosla T**

**Lowell FC see Ohman JL**

**Lowry JC:** Industrial nail-gun injuries: a review and case report. Injury 5:59-62, Aug 73

**Luha L see Lotlikar PD**

**Lunev IIa see Korol'kov VI**

**Lustig ES de see Mates EL**

**Lyle J see Kohen DP**

**Lynch CB see Lynch GR**

**Lynch GR, Lynch CB, Dingle H:** Letter: Photoperiodism and adaptive behaviour in a small mammal. Nature 244:46-7, 6 Jul 73

**Lyons ML see Cauffman JG**

## M

**Maaser R:** Diagnose: Uberernährung. Monatsschr Kinderheilkd 121:548-50, Aug 73 (Ger)

**McBride F see Targett CS**

**McBride WG see McCredie J**

**McCain WG see Farkas LG**

**McCarrick H:** The sweet and sour of living in. Nurs Times 69:1175-7, 13 Sep 73

**McCarroll J see Lebowitz MD**

**McClellan JT see Otero RB**

**McCleary WA see Hodgeson JA**

**McCormick A, Nicholson MJ, Baylis MA, et al:** Nitrosamines in cigarette smoke condensate. Nature 244:237-8, 27 Jul 73

**McCrea DH see Harney BM**

**McCredie J, McBride WG:** Some congenital abnormalities: possibly due to embryonic peripheral neuropathy. Clin Radiol 24:204-11, Apr 73

**McDermott JF Jr, Bolman WM, Aresndorf AM, et al:** The concept of child advocacy. Am J Psychiatry 130:1305-6, Nov 73

**Macdonald EJ, Lichtenstein H, Neoner D, et al:** Epidemiological factors in lung cancer among women in El Paseo County, Texas 1944-1969. J Am Med Wom Assoc 28:459-64 passim, Sep 73

**McGarrity GJ, Coriell LL:** Mass airflow cabinet for control of airborne infection of laboratory rodents. Appl Microbiol 26:167-72, Aug 73

**McGowan JE see Beare-Rogers JL**

**Machavariani AT see Kachakhidze AV**

**McHenry JR see Ritchie JC**

**Machtelinckx P see Juchmes J**

**McIntire WG see Dreyer AS**

**McIntosh EI see Adams J**

**McIntyre TW see Sisemore DA**

**McJilton C, Frank R, Charlson R:** Role of relative humidity in the synergistic effect of a sulfur dioxide-aerosol mixture on the lung. Science 182:503-4, 2 Nov 73

**MacKay EN, Sellers AH:** The Ontario cancer incidence survey, 1964-1966: a new approach to cancer data acquisition. Can Med Assoc J 109:489 passim, 15 Sep 73

**McKee HC, Margeson JH, Stanley TW:** Collaborative testing of methods to measure air pollutants. II. The non-dispersive infrared method for carbon monoxide. J Air Pollut Control Assoc 23:870-5, Oct 73

**MacKenzie LA, Frain-Bell W:** The construction and development of a grating monochromator and its application to the study of the reaction of the skin to light. Br J Dermatol 89:251-64, Sep 73

**McKilligin HR:** Letter: Women's lib. Can Med Assoc J 109:573-4, 6 Oct 73

**McKim JM, Cristensen GM, Tucker JH, et al:** Effects of pollution on freshwater fish. J Water Pollut Control Fed 45:1370-407, Jun 73 (375 ref.)

**McKinley JH see Bradford LJ**

**McKnew DH Jr, Cytryn L:** Historical background in children with affective disorders. Am J Psychiatry 130:1278-80, Nov 73

**McLaughlin DI see Lis AW**

**McLaughlin M, Linch AL, Snee RD:** Longitudinal studies of lead levels in a US population. Arch Environ Health 27:305-11, Nov 73

**McLaughlin RK see Lis AW**

**McLean JR, Hoffmann ER:** The effects of restricted preview on driver steering control and performance. Hum Factors 15:421-30, Aug 73

**MacLean L see Chan-Young M**

**McLean RG see Bigler WJ**

**McMurtry IF, Frith CH, Will DH:** Cardiopulmonary responses of male and female swine to simulated high altitude. J Appl Physiol 35:459-62, Oct 73

**MacNeil JD, Frei RW, Hutzinger O:** Electron-donor-acceptor complexing reagents in the analysis of pesticides. VI. Influence of structure in detection and identification. Mikrochim Acta 5:641-50, 1973

**McNeil M see Bermant G**

**Madadi H see Mobedi I**

**Maddon DL see Matthew EB**

**Maddrey WC see Laws ER Jr**

**Maisels MJ see Bensinger TA**

**Makarov PO:** Vremia reaktsii cheloveka na nachalo i konets kratkof opticheskof vspyshki. Fiziol Zh SSSR 59:846-8, Jun 73 (Rus)

**Makarov VV:** Humidity regulator for air conditioners. Biomed Eng (NY) 7:130, Mar-Apr 73

**Malette WG:** Message from the President: The cost of medical device standards. Med Instrum 7:298, May-Aug 73

**Mándi A, Galgóczy G, Csukás A, et al:** A chronikus bronchitis és a bronchialis obstructio összefüggéseinek vizsgálata porexponált személyeken. II. A dohányzás, a szilikózis és a bronchialis obstructio kapcsolata. Orv Hetil 114:2477-82, 14 Oct 73 (Hun)

**Mansager ER see Still GG**

**Manta I see Oană C**

**Manton WI:** Significance of lead isotope composition in blood. Nature 244:165-7, 20 Jul 73

**Marchow L see Kasprzak KS**

**Maren TH see Green MC**

**Marennikova SS see Shneyderman AE**

**Margeson JH see McKee HC**

**Marinova G:** Ionizirashchi luchenlia i vliianieto im vurkhu polovite zhlezi, bremennostta i ploda (predimno vunshtno luchenie. Akush Ginekol (Sofiia) 12:210-2, 1973 (Bul)

**Markiewicz L see Wróblewski TE**

**Markson EW, Levitz GS, Gognalons-Caillard M:** The elderly and the community: reidentifying unmet needs. J Gerontol 28:503-9, Oct 73

**Marr JW:** Dietary survey methods: individual and group aspects. Proc R Soc Med 66:639-41, Jul 73

**Marres EH, Huygen PL, Brand OW:** The classification of audiograms in otosclerosis. Preliminary report. ORL 35:205-9, 1973

**Marsh L, Fraser FC:** Letter: Chelating agents and teratogenesis. Lancet 2:846, 13 Oct 73

**Marsh RE, Howard WE:** Prospects of chemosterilant and genetic control of rodents. Bull WHO 48:309-16, 1973

**Marshall LW see Graybill JR**

**Martin CD:** Psychological problems of abortion for the unwed teenage girl. Genet Psychol Monogr 88:23-110, Aug 73

**Martin G, Baumann H, Urmantscheeva TG, et al:** Der Einflubb eines sozial-emotionalen Umweltstress auf den funktionellen Zustand neokortikaler Strukturen von Rhesusaffen. Acta Biol Med Ger 30:665-73, May 73 (Ger)

**Martin H, Berger O:** Die gewerbliche Bleiintoxikation als internistisches Krankheitsbild. Med Welt 24:589-93, 13 Apr 73 (Ger)

**Mathews JD, Whittingham S, Hooper BM, et al:** Association of autoantibodies with smoking, cardiovascular morbidity, and death in the Busselton population. Lancet 2:754-8, 6 Oct 73

**Mates EL, Lustig ES de:** Teratogenic effects of carcinogen implantation in a regenerative field in Bufo arenarum tadpoles. Teratology 8:167-73, Oct 73

**Matsen JM see Engel RE**

**Matsumura Y:** Some physico-chemical properties of soot from fuel oil burners and automobile engines. Atmos Environ 7:219-24, Feb 73

**Matthew EB, Dietzman DE, Maddes DL, et al:** A major epidmeic of infectious hepatitis in an institution for the mentally retarded. Am J Epidemiol 98:199-215, Sep 73

**Matthews ME see Farevaag L**

**Mattocks AR see Hooson J**

**Maugeri U see Favino A**

**May JR, Peto R, Tinker CM, et al:** A study of Hemophilus influenzae precipitins in the serum of working men in relation to smoking habits, bronchial infection, and airway obstruction. Am Rev Respir Dis 108:460-8, Sep 73

**May RM:** Mass and energy flow in closed ecosystems: a comment. J Theor Biol 39:155-63, Apr 73

**Mayer FL Jr see Sanders HO**

**Mayer HB, Lane JC:** Monocular pilots--a followup study. Aerosp Med 44:1070-4, Sep 73

**Mayer VW:** Induction of mitotic crossing over in Saccharomyces cerevisiae by breakdown products of dimethylnitrosamine, diethylnitrosamine, 1-naphthylamine and 2-naphthylamine formed by an in vitro hydroxylation system. Genetics 74:433-42, Jul 73

**Mayhew B see Asherson GL**

**Mead WR see Geeckner DJ**

**Medvedev VI, Bagrova ND, Sagal AA:** K éksperimental'nomu obosnovaniiu optimal'nogo metoda shkalirovaniia dlitel'nosti zvukovykh razdrazhenii. Fiziol Zh SSSR 59:896-903, Jun 73 (Rus)

**Mehlan KH, Geissler A:** Familienplanung in der DD. Dtsch Gesundheitsw 28:1136-40, 2 Jun 73 (Ger)

**Melinte C see Zamfir G**

**Mesimi C see Dimov S**

**Merk FB see Balogh K**

**Merriam J Jr see Inese JS**

**Merrow AR see Stimson CW**

**Mertens PE, Patton R, Baum JJ, et al:** Clinical presentation of Lassa fever cases during the hospital epidemic at Zorzor, Liberia, March-April 1972. Am J Trop Med Hyg 22:780-4, Nov 73

**Mertens PE see Momah TP**

**Meschia G see Boyd RD**

**Metselaar D, Blumberg BS, Millman I, et al:** Hepatitis-B antigen in colony mosquitoes. Lancet 2:758-9, 6 Oct 73

**Meurer J see Klaus H**

**Meyer JA:** Safety in the use of monitoring equipment. Clin Anesth 9:47-68, 1973 (15 ref.)

**Michaiuk J see Grabowska M**

**Micu I see Oană C**

**Mikó V see Scherrer AL**

**Milburn MS see Lillehoj EB**

**Miles JW see Dale WE**

**Miles WF see Sen NP**

**Miller ER see Groce AW**

**Miller GJ, Fox JA:** Chlorinated hydrocarbon pesticide residues in Queensland human milks. Med J Aust 2:361-4, 11 Aug 73

**Miller HC, Hassanein K:** Fetal malnutrition in white newborn infants: maternal factors. Pediatrics 52:504-12, Oct 73

**Miller LH see Collins WE**

**Miller SS, Procter D:** Go-kart injuries at a fairground. Br Med J 3:685-6, 29 Sep 73

**Miller WC, Toon R, Palat R, et al:** Experimental pulmonary edema following re-expansion of pneumothorax. Am Rev Respir Dis 108:654-8, Sep 73

**Millman I see Metselaar D**

**Mills JH:** Temporary and permanent threshold shifts produced by nine-day exposures to noise. J Speech Hear Res 16:426-38, Sep 73

**Milstein HG, Cornell RC:** Diurnal mitotic studies of psoriatic epidermis. J Invest Dermatol 61:186-2, Sep 73

**Mintz IL:** Nihilism and despair, rebirth and repair. A psychoanalytic view of the adolescent crisis. J Med Soc NJ 70:631-4, Sep 73

**Mitchell JC see Rustan PL**

**Mitchell SJ see Poswillo DE**

# AUTHOR SECTION


**Mitti RN, Kürschner D:** Ophthalmodynamography in pilots to test internal carotid insufficiency: comparison of blood-pressure responses.
Aerosp Med 44:1067-9, Sep 73

**Miyaji T see Uematsu K**

**Mobedi I, Arfaa F, Madadi H, et al:** Sylvatic focus of trichinisis in the Caspian region, Northern Iran.
Am J Trop Med Hyg 22:720-2, Nov 73

**Möbius W, Seewald HJ, Krause W, et al:** Bedeutung und Ergebnisse der Schwangerenbetreuung.
Munch Med Wochenschr 115:1541-6, 14 Sep 73 (Ger)

**Modan B see Movshovitz M**

**Modler S see Engel RR**

**Moghadam H:** Letter: Smallpox vaccination.
Can Med Assoc J 109:458 passim, 15 Sep 73

**Mohler SR:** Functional aging: present status of assessments regarding airline pilot retirement.
Aerosp Med 44:1062-4, Sep 73

**Mohr U see Haas H**

**Molin L:** Climate therapy for Swedish psoriatics on Hvar, Yugoslavia.
Acta Derm Venereol (Stockh) 52:155-60, 1972

**Molinari GF, Smith L, Goldstein MN, et al:** Brain abscess from septic cerebral embolism: an experimental model.
Neurology (Minneap) 23:1205-10, Nov 73

**Mollet P:** Untersuchungen über Mutagenität und Toxizität von Captan bei Drosophila.
Mutat Res 21:137-48, Jun 73 (Ger)

**Monath TP, Mertens PE, Patton R, et al:** A hospital epidemic of Lassa fever in Zorzor, Liberia, March-April 1972.
Am J Trop Med Hyg 22:773-9, Nov 73

**Monson RR, Rosenberg L, Hartz SC, et al:** Diphenylhydantoin and selected congenital malformations.
N Engl J Med 289:1049-52, 15 Nov 73

**Montgomery MR, Rubin RJ:** Oxygenation during inhibition of drug metabolism by carbon monoxide or hypoxic hypoxia.
J Appl Physiol 35:505-9, Oct 73

**Moon MW see Church AR**

**Moore GT:** Letter: Users and nonusers of hospitals.
Pediatrics 52:754-5, Nov 73

**Moore GT see Herzlinger RE**

**Moore RA see Yoder RD**

**Morgan EJ see Kibeistis JA**

**Morgan WK see Peters WL**

**Morgan WK see Reger RB**

**Morley D see Abayomi I**

**Morris G:** Doctors and overpopulation.
Br Med J 2:717, 23 Jun 73

**Morrison CC, Bostwick GW, Belknap SL:** The computer in family practice.
J Maine Med Assoc 64:226-30, Oct 73

**Morriss FH Jr see Boyd RD**

**Morse PK see Levy M**

**Morsi HM see Shibley GP**

**Mortagy AK see Coleman AE**

**Mosier AR, Guenzi WD:** Picloram photolytic decomposition.
J Agric Food Chem 21:835-7, Sep-Oct 73

**Mosser RS see Borgsdorf LR**

**Moutschen J see Degraeve N**

**Movshovitz M, Modan B:** Role of sun exposure in the etiology of malignant melanoma: epidemiologic inference.
J Natl Cancer Inst 51:777-9, Sep 73

**Muldoon E see Oppermann JA**

**Müller A see Schmitz H**

**Mullins MR see Heise AL**

**Munube GM:** Outbreak of type I paralytic poliomyelitis in Kampala City and the surrounding Mengo (East and West Buganda) Districts of Uganda during 1969.
Drug Ther Bull 49:1012-9, Dec 72

**Murakami M, Hirosawa K:** Letter: Electron microscope autoradiography of kidney after administration of 210Pb in mice.
Nature 245:153-4, 21 Sep 73

**Murphy FA see Whitfield SG**

**Murray AW, Verma AK:** The adenyl cyclase system and carcinogenesis: decreased responsiveness of mouse epidermis to isoproterenol after 3,4-benzpyrene treatment.
Biochem Biophys Res Commun 54:69-75, 5 Sep 73

**Murrell KD, Yogore MG Jr, Lewert RM, et al:** Immunization with a zoophilic strain of Schistosoma japonicum: a re-evaluation of the Formosan strain of S. japonicum in rhesus monkeys.
Am J Trop Med Hyg 22:723-33, Nov 73

**Myrden JA:** Doctors and social responsibility.
NS Med Bull 52:181, Oct 73


## N


**Naeye RL, Blanc W, Paul C:** Effects of maternal nutrition on the human fetus.
Pediatrics 52:494-503, Oct 73

**Náf F see Ohloff G**

**Nagasaki H see Ito N**

**Nagel EL see Kaplan BC**

**Nagy JG see Schwartz CC**

**Naithani RC see Chatterjee AK**

**Narbekov ON see Korol'kov VI**

**Nasser S see Ellis FR**

**Nathanielsz PW, Comline RS, Silver M:** Letter: Uterine activity following intravenous administration of oxytocin to foetal sheep.
Nature 243:471-2, 22 Jun 73

**Navarre E see Dickerman RW**

**Neal RA:** Epidemiology of Chagas' disease and methods of detecting T. cruzi.
Proc R Soc Med 66:773-4, Aug 73

**Neal S see Stimson CW**

**Nelson FG see Chase HC**

**Nelson JK, Johnson BL:** Effects of local and general fatigue on static balance.
Percept Mot Skills 37:615-8, Oct 73

**Nelson KE, Ager EA, Gaiton MM, et al:** An outbreak of leptospirosis in Washington state.
Am J Epidemiol 98:336-47, Nov 73

**Nelson RA:** Winter sleep in the black bear. A physiologic and metabolic marvel.
Mayo Clin Proc 48:733-7, Oct 73

**Nemteanu E, Ciuntu M, Pop A:** Tablouri clinice fals neurologice in intoxicatiile subacute cu pesticide organo-fosforice.
Rev Med Chir Soc Med Nat Iasi 77:473-7, Jul-Sep 73 (Rum)

**Nemzer DE see Green DE**

**Neumann M:** Epidemiologisch-soziologische Studie zur chronisch rezidivierenden Iridoxyklitis.
Dtsch Gesundheitsw 28:804-7, 4 Apr 73 (Ger)

**Neumark J, Halbgebauer I:** Ketamin-Halothan-Kombinationsnarkose in der Alters-Unfallchirurgie.
Wien Med Wochenschr 123:495-8, 4 Aug 73 (Ger)

**Nevo E:** Test of selection and neutrality in natural populations.
Nature 244:573-5, 31 Aug 73

**Newman L see Forrest J**

**Nicholson MJ see McCormick A**

**Nikolov T, Dragunski M:** Modifications histochimiques du cortex sous l'action du bruit et des vibrations.
J Fr Otorhinolaryngol 22:409-11, May 73 (Fre)

**Nikol'skii BA:** Novye obraztsy sanitarno-zashchitnoi odezhdy dlia vetrabotnikov.
Veterinariia 9:42-3, Sep 72 (Rus)

**Nimrick KO see Owens FN**

**Nise G see Vesterberg O**

**Nishioka K, Amos HE:** Contact sensitivity in vitro. The production of macrophage inhibition factors from DNCB sensitized lymphocytes by subcellular organelles obtained from DNCB epidermal tissue.
Immunology 25:423-32, Sep 73

**Nissen Von Gerhardt:** Über Auswirkungen von Reizüberflutungen auf psychisch behinderte Kinder.
Prax Kinderpsychol Kinderpsychiatr 22:195-9, Aug-Sep 73 (Ger)

**Nooner D see Macdonald EJ**

**Noorle Jansen LM van see Kampelmacher EH**

**Nordyke EC:** In-migration versus fertility as factors in Hawaii's population growth.
Hawaii Med J 32:207-12, Jul-Aug 73

**Norpoth K see Kirchner M**

**Norton SJ see Brown DG**

**Nota G, Palombari R:** Determination of cyanides and thiocyanates in water by gas chromatography.
J Chromatogr 84:37-41, 12 Sep 73

**Novotny M, Lee ML:** Detection of marijuana smoke in the atmosphere of a room.
Experientia 29:1038-9, 15 Aug 73

**Nowak M see Hughes PC**

**Nowicka C see Popinigis J**

**Nowlin HJ see Horning MG**

**Nurcombe B:** Childhood and adolescence on Elcho Island.
Aust NZ J Psychiatry 7:84-6, Jun 73

**Nyaku NY see Hayes WP**


## O


**Oană C, Micu I, Manta I, et al:** Epidemii de leptospiroză și ornitoză în contexte epidemiologice particulare.
Rev Med Chir Soc Med Nat Iasi 77:519-22, Jul-Sep 73 (Rum)

**Obe G see Vogel E**

**Oberst MT:** The crisis-prone staff nurse.
Am J Nurs 73:1917-21, Nov 73

**Obolensky W:** Probleme der Geburtenregelung.
Praxis 62:1005-13, 14 Aug 73 (Ger)

**O'Brien RT see Zelson JH**

**Odell GV see Wang PS**

**Odland LT:** Radio-frequency energy: a hazard to workers?
Ind Med Surg 42:23-6, Jul-Aug 73

**Ohloff G, Näf F, Decorzant R, et al:** Synthesis of potential ambra odorants: 5,5,9-trimethyldecalyl derivatives.
Helv Chim Acta 56:1414-48, 6 Jun 73

**Ohman JL, Lowell FC, Bloch KJ:** Allergens of mammalian origin: characterization of allergen extracted from cat pelts.
J Allergy Clin Immunol 52:231-41, Oct 73

**Oishi T, Lauber JK:** Photoreception in the photosexual response of quail. II. Effects of intensity and wavelength.
Am J Physiol 225:880-6, Oct 73

**Okoth J:** Tagetes minuta L., as a repellent and insecticide against adult mosquitoes.
East Afr Med J 50:317-22, Jun 73

**Old LJ see Hardy WD Jr**

**Omori K see Sasaki H**

**Ong BY see Dawes C**

**Ono Y:** [Nursing questions and answers. Nursing and the society. II. Problems of the aged and environmental pollution]
Kango Kyoshitsu 17:26-31, Autumn 73 (Jap)

**Onwukwe MF:** Cutaneous complications of smallpox vaccination scars.
Int J Dermatol 12:290-4, Sep-Oct 73

**Oppermann JA, Muldoon E, Ranney RE:** Effect of aspartame on phenylalanine metabolism in the monkey.
J Nutr 103:1460-6, Oct 73

**Oppermann JA, Muldoon E, Ranney RE:** Metabolism of aspartame in monkeys.
J Nutr 103:1454-9, Oct 73

**Osisiogu IU:** Detection of adulteration in ginger galenicals by thin-layer chromatography.
J Chromatogr 84:200-3, 12 Sep 73

**O'Steen WK see Shear CR**

**Ostertag H:** Dei hygienische Uberwachung der klimatisierten aseptischen Bereiche im Krankenhaus.
Zentralbl Bakteriol [Orig B] 157:1-22, Apr 73 (Ger)

**Otero RB, McClellan JT:** Possible factors involving staphylococci colonization.
J Ky Med Assoc 71:590-3, Sep 73

**Ott DE see Westlake WE**

**Overbeck DB, Talkington LW:** An exploratory study of safety factors in an institution for the mentally retarded.
Train Sch Bull (Vinel) 70:88-92, Aug 73

**Ovsiannikov IF, Udalov IuF, Deviatsilkova ZI:** Ispol'zovanie preparata serovitan pri sanatorno-kurortnom lechenii lits s narushennym lipoidnym obmenom.
Vopr Kurortol Fizioter Lech Fiz Kult 37:486-8, Sep-Oct 72 (Rus)

**Owens FN, Knight WM, Nimrick KO:** Intraruminal urea infusion and abomasal amino acid passage.
J Anim Sci 37:1000-9, Oct 73


## P


**Padula M:** L'attività profilattica dell'O.N.M.I. nella provincia di Matera.
Minerva Med 64:2727-9, 7 Jul 73 (Ita)

**Palat H see Miller WC**

**Palermo BT see Gold G**

**Paletta B, Trutnovsky H, Aussenegg F, et al:** Reaktionskinetische Studien an Enzymen mittels Laser-Interferometrie.
Experientia 29:1036-7, 15 Aug 73 (Ger)

**Pallauf J see Kirchgessner M**

**Palmer JK, List DM:** Determination of organic acids in foods by liquid chromatography.
J Agric Food Chem 21:963-6, Sep-Oct 73

**Palombari R see Nota G**

**Panagotacos PJ see Aeling JL**

**Pandya NJ:** Experimental production of "cauliflower ear" in rabbits.
Plast Reconstr Surg 52:534-7, Nov 73

**Panigel M see Kalter SS**

**Panteliadis C see Hofert C**

**Panzer see Stahl CD**

**Papagiannis D see Werner SB**

**Papra J see Fleming DS**

**Parkinson DR, Stephens RJ:** Morphological surface changes in the terminal bronchiolar region of NO2-exposed rat lung.
Environ Res 6:37-51, Mar 73

**Parks JH:** Psychotherapy as bio-psycho-social diagnosis and community treatment in Kentucky.
J Ky Med Assoc 71:662-6, Oct 73

**Parrish JL see Laskey JW**

**Parry JM see Waters R**

**Parthasarathy VV, Shanmugasundaram ER:** Nephro- and hepatotoxicity for mice and chicks in Penicillium piceum contaminated food.
Experientia 29:1099-100, 15 Sep 73

**Pathak MA, Fitzpatrick TB:** Lichtsensibilisierung durch Medikamente.
Internist (Berlin) 14:339-44, Jul 73 (Ger)

**Patton R see Mertens PE**

**Patton R see Monath TP**

**Paul C see Naeye RL**

**Paulson GD, Jacobsen AM, Zayiskie RG, et al:** Isolation and identification of propham (isopropyl carbanilate) metabolites from the rat and the goat.
J Agric Food Chem 21:804-11, Sep-Oct 73

**Pavesi F, Zelaschi F, Fasani F:** Contributo allo studio delle pneumapotic allergiche nell'ambiente rurale.
Lav Um 25:113-24, Jul 73 (Ita)

**Pearson HA see Zelson JH**

**Pearson JA see Rafatjah HA**

**Pease HL see Harvey J Jr**

**Peckham CS:** A national study of child development (NCDS 1958 cohort). Preliminary findings in a national sample of 11-year-old children.
Proc R Soc Med 66:701-3, Jul 73

**Peeples S see Richter ED**

**Pelegrina I see Fuertes-de la Haba A**

**Pelled B, Shechter Y, Alroy G, et al:** Deleterious effects of oxygen at ambient and hyperbaric pressure in the treatment of nitrogen dioxide-poisoned mice.
Am Rev Respir Dis 108:1152-7, Nov 73

**Pelletier J:** Evidence for photoperiodic control of prolactin release in rams.
J Reprod Fertil 35:143-7, Oct 73

**Penfold JB see Anderson GS**

**Penning W see Scoppa P**

**Perkins FT see Krugman S**

**Perman E see Blackwood CE**

**Perreira HG see Couch RB**

**Perrin DE see Hoppner K**

**Perry R, Twibell JD:** A time based elution technique for the estimation of specific hydrocarbons in air.
Atmos Environ 7:929-37, Sep 73

**Persaud TV:** Meromelia and other developmental abnormalities in experimental oligohydramnios.
Anat Anz 133:499-502, 1973

**Pestessy J see Sods J**

**Petering HG, Yeager DW, Witherup SO:** Trace metal content of hair. II. Cadmium and lead of human hair in relation to age and sex.
Arch Environ Health 27:327-30, Nov 73

**Peters CJ, Reeves WC, Rivera V, et al:** Epidemiology of hepatitis B antigen in Panama.
Am J Epidemiol 98:301-10, Oct 73

**Peters JM see Sidor R**

**Peters LK see Heines TS**

**Peters WL, Reger RB, Morgan WK:** The radiographic categorization of coal workers' pneumoconiosis by lay readers.
Environ Res 6:60-7, Mar 73

**Petersen N see Heide KG**

**Peterson NH see Sidor R**

**Petit MG, Altenbach JS:** A chronological record of environmental chemicals from analysis of stratified vertebrate excretion deposited in a sheltered environment.
Environ Res 6:329-43, Sep 73

**Peto R see May JR**

**Petranovskaya MR see Shneyderman AE**

**Petrescu A see Cajal N**

**Pfeilsticker K:** Pesticide in der Kinderernährung.
Monatsschr Kinderheilkd 121:551-3, Aug 73 (Ger)

**Phadke MV, Limaye C:** Infant growth in urban and rural Maharashtra.
Indian Pediatr 10:387-90, Jun 73

**Philip G, Smith JF:** Hypothermia and Wernicke's encephalopathy.
J Pathol 110:pvi-vii, Jul 73

**Picher O see Aspöck H**

**Pimentel JC, Avila R:** Respiratory disease in cork workers ("suberosis").
Thorax 28:409-23, Jul 73

**Pion R see Champredon C**

**Piskunova LA see Karaseva EV**

**Pitout MH see Kempff PG**

**Plath DW:** Japanese psychology through Japanese literature. Cares of career, and careers of caretaking.
J Nerv Ment Dis 157:246-57, Nov 73

**Plath P, Stähken HW, Graf H, et al:** Untersuchungen über die Verständlichkeit einer Neuaufnahme des Freiburger Sprachtestes.
Z Laryngol Rhinol Otol 52:457-69, Jun 73 (Ger)

**Plescia OJ see Fox AE**

**Plopper CG, Dungworth DL, Tyler WS:** Ultrastructure of pulmonary alveolar macrophages in situ in lungs from rats exposed to ozone.
Am Rev Respir Dis 108:632-8, Sep 73

# AUTHOR SECTION

**Polanyi T see Strong MS**
**Ponterius G see Brandt R**
**Ponterius G see Ceska M**
**Pontrandolfi P:** Infortuni stradali. Casistica dei traumatizzati per incidenti della motorizzazione ricoverati all'Ospedale "S. Carlo" di Potenza nel quadriennio 1965-1968.
Minerva Med 64:2730-2, 7 Jul 73 (Ita)
**Poole WK:** Fertility measures based on birth interval data. Theor Popul Biol 4:357-87, Sep 73
**Pop A see Nemteanu E**
**Popinigis J, Wozniak M, Nowicka C, et al:** Role of citrate carrier in citrate mediated succinate (+ rotenone) oxidation. FEBS Lett 32:339-42, 1 Jun 73
**Popinigis J see Byczkowski J**
**Possanzini M see Brocco D**
**Post EM, Yang MG, King JA, et al:** Behavioral changes of young rats force-fed methyl mercury chloride. Proc Soc Exp Biol Med 143:1113-6, Sep 73
**Poswillo DE, Sopher D, Mitchell SJ, et al:** Further investigations into the teratogenic potential of imperfect potatoes. Nature 244:367-8, 10 Aug 73
**Pott E, Brockhaus A, Huth F:** Untersuchungen zur Kanzerogenität von polyzyklischen aromatischen Kohlenwasserstoffen im Tierexperiment.
Zentralbl Bakteriol [Orig B] 157:34-43, Apr 73 (Ger)
**Potter HP:** Dimethylformamide-induced abdominal pain and liver injury.
Arch Environ Health 27:340-1, Nov 73
**Potter M, Skiar MD, Rowe WP:** Rapid viral induction of plasmacytomas in pristane-primed BALB-c mice. Science 182:592-4, 9 Nov 73
**Pour P, Krüger FW, Cardesa A, et al:** Carcinogenic effect of di-n-propylnitrosamine in Syrian golden hamsters. J Natl Cancer Inst 51:1019-27, Sep 73
**Prato CM see Akers TG**
**Price EO, Loomis S:** Maternal influence on the response of wild and domestic Norway rats to a novel environment. Dev Psychobiol 6:203-8, May 73
**Price LW:** Practical course in liquid scintillation counting. 8. Hazard and safety aspects of liquid scintillation counting. Lab Pract 22:571-4, Sep 73
**Proctor D see Miller SS**
**Pump KK:** The pattern of development of emphysema in the human lung.
Am Rev Respir Dis 108:610-20, Sep 73

## Q

**Qasim SA see Stehig DA**
**Querec LJ see Vavra HM**

## R

**Racker E see Ragan CI**
**Rafatjah HA, Pearson JA:** A simple flowmeter for measuring variation in the discharge rates of sprayer nozzle tips. Bull WHO 48:375-7, 1973
**Ragan CI, Racker E:** Resolution and reconstitution of the mitochondrial electron transport system. IV. The reconstitution of rotenone-sensitive reduced nicotinamide adenine dinucleotide-ubiquinone reductase from reduced nicotinamide adenine dinucleotide dehydrogenase and phospholipids.
J Biol Chem 248:6876-84, 10 Oct 73
**Rahe RH, Bennett L, Romo M, et al:** Subjects' recent life changes and coronary heart disease in Finland.
Am J Psychiatry 130:1222-6, Nov 73
**Rai KS see Hallinan E**
**Ramsay CA:** Photosensitivity from nalidixic acid.
Proc R Soc Med 66:747, Aug 73
**Rana EL:** No crystal stair. President's Inaugural Address. J Natl Med Assoc 65:436-7 passim, Sep 73
**Ranney RE see Oppermann JA**
**Răşcanu R see Damian N**
**Rasmusen BA, Lewis JM:** The M-L blood-group system and survival of Suffolk and Targhee lambs.
Anim Blood Groups Biochem Genet 4:55-7, 1973
**Rawji F see Kakande ML**
**Ray CD:** Biomedical engineering--the beauty and the beast. Naturwissenschaften 60:375-81, Aug 73
**Raymond SW:** Letter: Medical certificates for airmen.
JAMA 226:467-8, 22 Oct 73
**Readshaw G:** Ophthalmic old wives' tales.
Med J Aust 2:337-9, 18 Aug 73
**Reed D see Labarthe D**
**Reeds TO:** Letter: Pediatrics in the sticks.
Pediatrics 52:748-9, Nov 73
**Rees WL see Henryk-Gutt R**
**Reeves WC see Peters CJ**
**Reger R see Kibelstis JA**
**Reger RB, Amandus HE, Morgan WK:** On the diagnosis of coalworker's pneumoconiosis. Anglo-American disharmony. Am Rev Respir Dis 108:1186-91, Nov 73
**Reger RB, Butcher DF, Morgan WK:** Assessing change in the pneumoconioses using serial radiographs: sources and quantification of bias.
Am J Epidemiol 98:243-54, Oct 73
**Reger RB see Peters WL**
**Reggiani A, Lotti M, De Rosa E, et al:** Alterazioni funzionali respiratorie in soggetti esposti al cromo. II. Alterazioni del transfert del CO in steady-state.
Lav Um 25:58-9, Mar 73 (Ita)
**Reggiani A, Lotti M, De Rosa E, et al:** Alterazioni funzionali respiratorie in soggetti esposti al cromo. I. Alterazioni spirografiche.
Lav Um 25:23-7, Jan 73 (Ita)
**Rehse-Küpper B, Danielová V, Ackermann R:** Isolierung eines für Mäuse pathogenen Virus aus Ixodes ricinus (L.) in Nordrhrhein-Westfalen und in Oberschwaben. (Vorläufige Mitteilung.
Zentralbl Bakteriol [Orig A] 224:168-77, Jul 73 (Ger)
**Reid DA:** Escalator injuries of the hand.
Injury 5:47-50, Aug 73
**Reinhardt UE:** Proposed changes in the organization of health-care delivery: an overview and critique.
Milbank Mem Fund Q 51:169-222, Spring 73
**Reinke DA see Bus JS**
**Reiser RW see Harvey J Jr**
**Reish DJ:** Marine and estuarine pollution.
J Water Pollut Control Fed 45:1310-9, Jun 73 (125 ref.)
**Reish DJ see Cripps RA**
**Reissenweber H see Weerdhof T van de**
**Reiter L, Talens G, Woolley D:** Acute and subacute parathion treatment: effects on cholinesterase activities and learning in mice.
Toxicol Appl Pharmacol 25:582-8, Aug 73
**Requa RK see Garrick JG**
**Rice CP see Sikka HC**
**Rice JM:** An overview of transplacental chemical carcinogenesis. Teratology 8:113-25, Oct 73 (89 ref.)
**Richardson A:** Serological responses of Salmonella dublin carrier cows. Br Vet J 129:iiii-lv, Jul-Aug 73
**Richardson HL see Yamamoto RS**
**Richey EO see Dunsky IL**
**Richter ED, Jackson S, Peeples S, et al:** Housing and health--a new approach.
Am J Public Health 63:878-83, Oct 73
**Richter KH:** Über den Wert der Pockenschutzimpfung. Richtigstellung der Entgegnung von G. Buchwald.
Munch Med Wochenschr 115:1401-2, 10 Aug 73 (Ger)
**Rico-Avello C:** Consideraciones sobre las pandemias colèricas.
Rev Sanid Hig Publica (Madr) 46:521-36, Jul 72 (Spa)
**Rieger HJ:** Nebentätigkeit beamteter Ärzte.
Dtsch Med Wochenschr 98:1679-80, 7 Sep 73 (Ger)
**Rieger HJ:** Sterilisation aus sozialer Indikation.
Dtsch Med Wochenschr 98:1781-2, 21 Sep 73 (Ger)
**Ritchie JC, McHenry JR:** Determination of fallout 137Cs and naturally occurring gamma-ray emitters in sediments. Int J Appl Radiat Isot 24:575-8, Oct 73
**Rivera V see Peters CJ**
**Rivers J see Seaman J**
**Roach RE:** Response of the diabetic to Bekesy audiometry. Arch Otolaryngol 98:349-53, Nov 73
**Robbins JD see Bacon CW**
**Roberts AC see Kline JA**
**Roberts CD, Sloboda W:** Girth reduction: inefficacy of inflatable shorts.
Arch Phys Med Rehabil 54:489-91, Oct 73
**Robertson A see Cochrane R**
**Rockwell RJ Jr see Hobetka CP**
**Rode A, Shephard RJ:** Fitness of the Canadian Eskimo--the influence of season.
Med Sci Sports 5:170-3, Fall 73
**Rode A, Shephard RJ:** Growth, development and fitness of the Canadian Eskimo. Med Sci Sports 5:161-9, Fall 73
**Rodgers JA:** Theoretical considerations involved in the process of change. Nurs Forum 12:160-74, 1973
**Roemer MI:** Political ideology and health care: hospital patterns in the Philippines and Cuba.
Int J Health Serv 3:487-92, 1973
**Rogala D:** Ocena bacteriologiczna i epidemiologiczna wybranych placówek służby zdrowia w aspekcie profilaktyki zakażeń wewnątrzszpitalnych.
Pol Tyg Lek 28:1284-6, 13 Aug 73 (Pol)
**Rogers AS see Roszman TL**
**Rohde H see Lorenz W**
**Romo M see Rahe RH**
**Ronan B:** A "cooking street"--is it a possible food preparation system? J Am Diet Assoc 63:417-8, Oct 73
**Rönicke G see Klockow D**
**Rosenberg L see Monson RR**
**Rosenstein S, Lamy PP:** Effect of station design on vertical laminar air flow.
Am J Hosp Pharm 30:800-4, Sep 73
**Rosner I see Legros J**
**Ross BB see Bulst AS**
**Ross BM see Engen T**
**(Ross R), Ward RA:** The influence of Ronald Ropas upon the early development of malaria vector control procedures in the United States Army.
J Trop Med Hyg 76:207-9, Aug 73
**Rosselli L see Hull EM**
**Roszman TL, Rogers AS:** The immunosuppressive potential of products derived from cigarette smoke.
Am Rev Respir Dis 108:1158-63, Nov 73
**Rothman KJ see Glass RL**
**Roumengous M see Scoppa P**
**Rousey CL see Bradford LJ**
**Rowe FP see Kendle KE**
**Rowe WP see Potter M**
**Rubin RJ see Montgomery MR**
**Rumpf H, Schubert H:** Verfahrenstechnische Gesichtspunkte bei der Leichtflüssigkeitsabscheidung.
Gesund Ing 94:325-35, Aug 73 (Ger)
**Ruppersberg A Jr:** Maternal deaths among Ohio teenagers: a 16-year study.
Ohio State Med J 69:692-4, Sep 73
**Russell AS:** Letter: Antecedents of myocardial infarction. Can Med Assoc J 109:571 passim, 6 Oct 73
**Russell MA, Cole PV:** Letter: Carbon-monoxide yield of cigarettes. Lancet 2:973-4, 27 Oct 73
**Rustan PL, Hurt WD, Mitchell JC:** Microwave oven interference with cardiac pacemakers.
Med Instrum 7:185-8, May-Aug 73
**Rylander R:** Toxicity of cigarette smoke components: free lung cell response in acute exposures.
Am Rev Respir Dis 108:1279-82, Nov 73

## S

**Sabourin M, Deschambault A, Ducharme R:** Effect of light on thermal reinforcement in behavioral thermoregulation. Percept Mot Skills 37:611-4, Oct 73
**Safarov IuB, Kadymov RA:** Odnovremennaia vaktsinatsiia ovets protiv trekh infektsif.
Veterinariia 9:82-3, Sep 72 (Rus)
**Sagal AA see Medvedev VI**
**Sagel J, Colwell JA, Loadholt CB, et al:** Circadian rhythm in the urinary excretion of cyclic 3',5'-adenosine monophosphate in man.
J Clin Endocrinol Metab 37:570-3, Oct 73
**St. John DJ, Yeomans ND, De Boer WG:** Chronic gastric ulcer induced by aspirin: an experimental model.
Gastroenterology 65:634-41, Oct 73
**Sallade J:** A comparison of the psychological adjustment of obese vs. non-obese children.
J Psychosom Res 17:89-96, Mar 73
**Salvaggio J see Kawai T**
**Sander J, Schweinsberg F:** Tumorinduktion bei Mäusen durch N-Methylbenzyl-nitrosamin in niedriger Dosierung.
Z Krebsforsch 79:157-61, 7 May 73 (Ger)
**Sanders HO, Mayer FL Jr, Walsh DF:** Toxicity, residue dynamics, and reproductive effects of phthalate esters in aquatic invertebrates.
Environ Res 6:84-90, Mar 73
**Sandu L:** Prezența antigenului Australia și a anticorpilor omologi la bolnavii cu insuficiență renală acută supuși hemodializei.
Stud Cercet Virusol 24:375-9, 1973 (Rum)
**Santora FJ:** Program prototypes: programs in New York City. J Reprod Med 11:171-2, Oct 73
**Santy AC:** Presidential address.
Bull NY Acad Med 49:943-8, Nov 73
**Sărăteanu D see Cajal N**
**Sarin K, Saxena SC:** Effect of temperature and relative humidity on the development and mortality of aliphitobius diaperinus (Panz), a stored product pest.
Folia Biol (Krakow) 21:223-8, 1973
**Sasaki H, Omori K:** The influence of single or fractionated doses of 5-fluoro-2'-deoxycytidine teratogenicity in mice. Teratology 8:191-4, Oct 73
**Sassa S, Granick JL, Granick S, et al:** Studies in lead poisoning. I. Microanalysis of erythrocyte protoporphyrin levels by spectrophotometry in the detection of chronic lead intoxication in the subclinical range. Biochem Med 8:135-48, Aug 73
**Sassa S see Granick JL**
**Saxena SC see Sarin K**
**Schabel FM Jr see Skipper HE**
**Schelling GT, Chandler JE, Scott GC:** Postruminal supplemental methionine infusion to sheep fed high quality diets. J Anim Sci 37:1034-9, Oct 73
**Schenken JR, Brabec P:** Free thyroxine index in maternal and cord sera: coefficients of variation evaluated by the method of differences of duplicates.
Am J Clin Pathol 60:499-501, Oct 73
**Scherer WF see Dickerman RW**
**Schertz LP:** Nutrition realities in the lower income countries. Nutr Rev 31:201-6, Jul 73
**Scherzer AL, Ilson JB, Miké V, et al:** Educational and social development among intensively treated young patients having cerebral palsy.
Arch Phys Med Rehabil 54:478-84, Oct 73
**Schirmer KE, Klosti R:** Contact lenses for fundus examination and vitreous surgery with focal illumination. Can J Ophthalmol 8:416-20, Jul 73
**Schlage C see Stolley H**
**Schmid-Schönbein H, Klose HJ, Volger E, et al:** Hypothermia and blood flow behavior.
Res Exp Med (Berl) 161:58-68, 26 Jul 73
**Schmidt-Kolmer E:** Die Sorge um die Kinder in der DD.
Dtsch Gesundheitsw 28:1128-30, 2 Jun 73 (Ger)
**Schmitz H, Müller A:** Orale Eisensubstitution beim Saugferkel.
Schweiz Arch Tierheilkd 115:391-9, Sep 73 (Ger)
**Schreier K:** Ernährung und geistige Entwicklung.
Monatsschr Kinderheilkd 121:554-8, Aug 73 (Ger)
**Schroth MN, Cho JJ, Kominos SD:** Letter: No evidence that Pseudomonas on chrysanthemus harms patients.
Lancet 2:906-7, 20 Oct 73
**Schryver HF see Hintz HF**
**Schubert H see Rumpf H**
**Schultz C:** Rechtsgrundlage für die Regelung des Inverkehrbringens biomedizinischer Erzeugnisse.
Biomed Tech (Stuttg) 18:154-6, Aug 73 (Ger)
**Schulz RK, Kantz AD, Babcock KL:** Effect of beta irradiation on growth and yield of a field pea crop.
Radiat Res 56:122-9, Oct 73
**Schulze B:** Wechselbeziehung zwischen Lysosomen und Zellkern bei der Diäthylnitrosamin--Carcinogenese. I. Änderung der subzellulären Verteilung der lysosomalen Enzyme saure Desoxyribonuclease und beta-D-Galaktosidase nach akuter Diäthylnitrosaminintoxikation.
Z Krebsforsch 79:241-8, 19 Jun 73 (Ger)
**Schwartz CC, Nagy JG, Streeter CL:** Pesticide effect on rumen microbial function. J Anim Sci 37:821-6, Sep 73
**Schwartz SI:** Reducing air pollution by automobile inspection and maintenance: a program analysis.
J Air Pollut Control Assoc 23:845-52, Oct 73
**Schweiker RS:** Guest editorial: The fourth Arthur C. Beall, Jr. :.D. Commemorative Lecture.
Med Instrum 7:217-9, May-Aug 73
**Schweinsberg F see Sander J**
**Scoppa P, Roumengous M, Penning W:** Hepatic drug metabolizing activity in lead-poisoned rats.
Experientia 29:970-1, 15 Aug 73
**Scott GC see Schelling GT**
**Seaman J, Holt J, Rivers J, et al:** An inquiry into the drought situation in Upper Volta.
Lancet 2:774-8, 6 Oct 73
**Sebesteny A, Lee P:** Unidirectional air flow surgical isolator for hysterectomy of mice.
Lab Anim 7:271-7, Sep 73
**Secher N:** Development of results in international rowing championships 1893-1971.
Med Sci Sports 5:195-9, Fall 73
**Seewald HJ see Möbius W**
**Seidel HM see Becker MH**
**Seifert HS:** Vorschläge zur Strategie der Bekämpfung von Vektorenseuchen bei Rinden an tropischen und subtropischen Standorten.
Dtsch Tieraerztl Wochenschr 80:348-52 contd, 1 Aug 73 (Ger)
**Seifert MH Jr:** Letter: The pediatrician, the epidemic, and the community. Pediatrics 52:748, Nov 73
**Seitz T see Seitz V**
**Seitz V, Seitz T, Kaufman L:** Loss of depth avoidance in chicks as a function of early environmental influences. J Comp Physiol Psychol 85:139-43, Oct 73
**Selby LA, Edmonds LD, Stewart RW, et al:** Effects of swine husbandry on the incidence of congenital malformations: a matched-paired study.
Environ Res 6:77-83, Mar 73

# AUTHOR SECTION


**Sell W:** New equipment and systems in mass feeding.
J Am Diet Assoc 63:413-6, Oct 73

**Sell W:** Organisation und Technik -er Schulverpflegung--mit vergleichender Betrachtung der amerikanischen Methoden.
Gesund Ing 94:201-6, Jul 73 (Ger)

**Sellers AH** see **MacKay EN**

**Sellery CM:** The active role of schools in mental health as seen in retrospect and prospect.
J Sch Health 43:455-7, Sep 73

**Seltzer CC** see **Friedman GD**

**Selye H:** The evolution of the stress concept.
Am Sci 61:692-9, Nov-Dec 73

**Selye H, Szabo S:** Experimental model for production of perforating duodenal ulcers by cysteamine in the rat.
Nature 244:458-9, 17 Aug 73

**Sen NP, Miles WF, Donaldson B, et al:** Letter: formation of nitrosamines in a meat curing mixture.
Nature 245:104-5, 14 Sep 73

**Serra R, Capodaglio E, Catenacci G:** Metodi orientativi per l'individuazione delle turbe di distribuzione e degli scambi gassosi nelle broncopneumopatie croniche professionali.
Lav Um 25:1-22, Jan 73 (Ita)

**Serrou B** see **Solassol C**

**Shackelford PG, Feigin RD:** Periodicity of susceptibility to pneumococcal infection: influence of light and adrenocortical secretions.
Science 182:285-7, 19 Oct 73

**Shafiee A, Staba EJ:** Allergens from short ragweed leaf tissue cultures. In Vitro 9:19-23, Jul-Aug 73

**Shah PV, Guthrie FE:** Penetration of insecticides through isolated sections of the mouse digestive system: effects of age and region of intestine.
Toxicol Appl Pharmacol 25:621-4, Aug 73

**Shamatov NM, Zavesa PZ, Dusmuratov M, et al:** Istorija razvitija travmatologo-orto-pedicheskoi i protezno pomoshchi naselenliu Uzbekskoi SS.
Ortop Travmatol Protez 33:11-5, Dec 72 (Rus)

**Shanker R** see **Zaidi SH**

**Shanmugaratnam K:** Cancer in Singapore--ethnic and dialect group variations in cancer incidence.
Singapore Med J 14:69-81, Jun 73

**Shanmugasundaram ER** see **Parthasarathy VV**

**Shapiro ES** see **Andryushchenko AS**

**Shapiro IM, Dobkin B, Tuncay OC, et al:** Lead levels in dentine and circumpulpal dentine of deciduous teeth of normal and lead poisoned children.
Clin Chim Acta 46:119-23, 28 Jun 73

**Shapiro J:** Podiatry and public health: a 7-year experience in the District of Columbia.
Am J Public Health 63:853-6, Oct 73

**Shapiro SL:** On the management of professional voice disorders. Eye Ear Nose Throat Mon 52:328-31, Sep 73

**Sharma HM** see **Brashear RE**

**Shaw JH:** Relation of arsenic supplements to dental caries and the periodontal syndrome in experimental rodents. J Comp Neurol 52:494-7, May-Jun 73

**Shaw WT** see **Widdowson EM**

**Shear CR, O'Steen WK, Anderson KV:** Effects of short-term low intensity light on the albino rat retina. An electron microscopic study.
Am J Anat 138:127-32, Sep 73

**Shechter Y** see **Pelled B**

**Shefko EV** see **Buz'ko AO**

**Sheenan J:** Seat-belt injuries of the left colon.
Br J Surg 60:673-5, Sep 73

**Shephard RJ** see **Rode A**

**Shereneshova NI** see **Il'nitskii AP**

**Sherman H** see **Harvey J Jr**

**Shibley GP, Morsi HM, Strother HL, et al:** Renal leptospirosis: exposure of vaccinated and nonvaccinated swine to Leptospira icterohaemorrhagiae and Leptospira canicola.
Am J Vet Res 34:1171-3, Sep 73

**Shiff CJ, Clarke V de V, Evans AC, et al:** Molluscicide for the control of schistosomiasis in irrigation schemes: a study in Southern Rhodesia.
Bull WHO 48:299-307, 1973

**Shlyakhov EN, Shvarts SA, Grus EV:** Anthrax. Biological and immunological principles of diagnosis and prevention. Communication 7. Diagnosis of anthrax by means of anthraxin.
J Hyg Epidemiol Microbiol Immunol (Praha) 17:279-84, Mar 73

**Shneyderman AE, Petranovskaya MR, Marennikova ES:** The effect of the number of incisions used in primary vaccination against smallpox on the intensity of antibody formation: a preliminary communication.
J Hyg Epidemiol Microbiol Immunol (Praha) 17:257-60, Mar 73

**Shoji S** see **Tamura S**

**Shubik P** see **Stenbäck F**

**Shubik P** see **Stenbäck FG**

**Shukis SS, Leland HV:** Pollution. Heavy metals: a review of lead.
J Water Pollut Control Fed 45:1319-31, Jun 73 (118 ref.)

**Shvarts SA** see **Shlyakhov EN**

**Sibay TM** see **Berman LD**

**Sidor R, Peters JM:** Differences in ventilatory capacity of Irish and Italian fire fighters.
Am Rev Respir Dis 108:668-71, Sep 73

**Sidor R, Peterson NH, Burgess WA:** A carbon monoxide-oxygen sampler for evaluation of fire fighter exposures.
Am Ind Hyg Assoc J 34:264-74, Jun 73

**Sieper H** see **Eisenbeiss F**

**Sikes CS, Drain MP:** Letter: Mercury in lakes.
Nature 244:529, 24 Aug 73

**Sikka HC, Rice CP:** Persistence of endothall in aquatic environment as determined by gas-liquid chromatography.
J Agric Food Chem 21:842-6, Sep-Oct 73

**Silver M** see **Nathanielsz PW**

**Simko A, Jindřichová J, Kovařík J, et al:** Einige Erkenntnisse über den Gesundheitszustand der unter Schwefelkohlenstoff-Risiko arbeitenden Frauen.
Zentralbl Arbeitsmed 23:173-9, Jun 73 (Ger)

**Simpson DM** see **Avery BE**

**Sinclair JC** see **Feinman SV**

**Sinell HJ** see **Kusch D**

**Singer S:** Insecticidal activity of recent bacterial isolates and their toxins against mosquito larvae.
Nature 244:110-1, 13 Jul 73

**Sinning WE** see **Forsyth HL**

**Sirey AR:** Editorial: New manpower for family planning services. Am J Public Health 63:831-2, Oct 73

**Sizemore DA, McIntyre TW, Van Liere EJ, et al:** Regression of altitude-produced cardiac hypertrophy.
J Appl Physiol 35:518-21, Oct 73

**Skipper HE, Schabel FM Jr:** Spontaneous AK leukemia (lymphoma) as a model for human leukemias and lymphomas.
Cancer Chemother Rep [Suppl] 3:3-5, 1 May 72

**Sklar MD** see **Potter M**

**Slack GL** see **Burt BA**

**Slark AG:** Fixed by agreement.
NZ Med J 78:75-6, 25 Jul 73

**Sloboda W** see **Roberts CD**

**Smith H** see **Lenihan JM**

**Smith JF** see **Philip G**

**Smith JM:** Age and occupation: the determinants of male occupational age structures--hypothesis H and hypothesis A. J Gerontol 28:484-90, Oct 73

**Smith JW** see **Gill JB**

**Smith L** see **Molinari GF**

**Smith PE:** The effects of some air pollutants and meteorological conditions on airborne algae and protozoa. J Air Pollut Control Assoc 23:876-80, Oct 73

**Smith PG** see **Wald N**

**Smyth NF, Keshishian JM, Hood OC, et al:** Effects of active magnetic fields on permanently implanted triggered pacemakers.
Med Instrum 7:189-95, May-Aug 73

**Snee RD** see **McLaughlin M**

**So WS** see **Wassenaar W**

**Soininen K** see **Ceska M**

**Solassol C, Joyeux H, Serrou B, et al:** Nouvelles techniques de nutrition parentérale á long terme pour suppléance intestinale. Proposition d'un intestin artificiel appliqué á 54cas.
J Chir (Paris) 105:15-24, Jan 73 (Fre)

**Soltysiak J** see **Kozlowski S**

**Sommer HC** see **Harris CS**

**Soni KG:** Eye injuries in road traffic accidents.
Injury 5:41-6, Aug 73

**Soós J, Szabó A, Pestessy J:** A centrális vénák és a jobb szívfél műanyag katheter embolizája.
Orv Hetil 114:2281-5, 23 Sep 73 (Hun)

**Sopher D** see **Poswillo DE**

**Soule DJ** see **Horton PS**

**Soule RD, Clayton GD:** Today's approach to protecting employees from the heavy metals.
Ind Med Surg 42:20-2 passim, Jul-Aug 73

**Spalt LH** see **Tuason VB**

**Spiecker HD:** Erfahrungen mit Hornhautschalen im Strassenverkehr.
Ber Dtsch Ophthalmol Ges 71:498-502, 1972 (Ger)

**Spiegelaub AB** see **Friedman GD**

**Spielman A, Lemma A:** Endod extract, a plant-derived molluscicide: toxicity for mosquitoes.
Am J Trop Med Hyg 22:802-4, Nov 73

**Splendiove JC** see **Goff GD**

**Sprockhoff H von** see **Häufele A**

**Staba EJ** see **Shafiee A**

**Stahl CD, Panzer:** Sociales Umfeld und Familiensituation bei drogengefährdenten Jugendlichen.
Prax Kinderpsychol Kinderpsychiatr 22:230-5, Aug-Sep 73 (Ger)

**Stallone F, Huba GJ, Lawlor WG, et al:** Longitudinal studies of diurnal variations in depression: a sample of 643 patient days. Br J Psychiatry 123:311-8, Sep 73

**Stanbury JB:** Cretinism and the fetal-maternal relationship.
Adv Exp Med Biol 30:487-505, 1972 (50 ref.)

**Stanford W** see **Armstrong RG**

**Stanley TW** see **McKee HC**

**Stapley RB** see **Studer E**

**Stara JF** see **Bloch WN Jr**

**Starbuck JS** see **Craker LE**

**Stauch M** see **Lossmitzer K**

**Steen LH:** How do we measure up? Health costs.
J Ky Med Assoc 71:597-9, Sep 73

**Stefanovic MP** see **Hacker RR**

**Stein G** see **Jühe S**

**Stein H, Yarom R, Levin S, et al:** Chronic self-perpetuating arthritis induced in rabbits by a cell-free extract of group A streptococci.
Proc Soc Exp Biol Med 143:1106-12, Sep 73

**Stelzig DA, Qasim SA:** Structural determination of two basal metabolic rate-stimulating flavones from grass silage. J Agric Food Chem 21:883-5, Sep-Oct 73

**Stenbäck F, Shubik P:** Carcinogen-induced skin tumorigenesis in mice: enhancement and inhibition by ultraviolet light. Z Krebsforsch 79:234-40, 19 Jun 73

**Stenbäck FG, Ferrero A, Shubik P:** Synergistic effects of diethylnitrosamine and different dusts on respiratory carcinogenesis in hamsters.
Cancer Res 33:2209-14, Oct 73

**Stepanova SI:** Izuchenie vozmozhnosti adaptatsii cheloveka k sutkam 16-chasovof prodolzhitel'nosti.
Kosm Biol Med 7:68-75, May-Jun 73 (Rus)

**Stephens RJ** see **Parkinson DR**

**Stevens L** see **Warner PO**

**Stewart RW** see **Selby LA**

**Stewart SJ:** Psittacosis: a danger to public health.
Vet Rec 93:25-6, 7 Jul 73

**Stiagov GI:** O primenenii metoda "Del'fi" v prognozirovanii obshchef zabolevaemosti naseleniia.
Zdravookhr Ross Fed 17:15-8, Jun 73 (Rus)

**Still GG, Mansager ER:** Metabolism of isopropyl-3-chlorocarbanilate by cucumber plants.
J Agric Food Chem 21:787-91, Sep-Oct 73

**Stimson CW, Merrow AR, Neal S, et al:** Admission patterns, functions, and problems of a large urban screening clinic for the mentally retarded.
Psychiatr Q 47:37-55, 1973

**Stinson D** see **Kenny FM**

**Stockland WL, Blaylock LG:** Influence of dietary calcium and phosphorus levels on the performance and bone characteristics of growing-finishing swine.
J Anim Sci 37:906-12, Oct 73

**Stoffels MA** see **Fleming DS**

**Stoimenov G, Vasilev D:** Rustut na narodonaselenieto i poltite da se prognozira negovoto razvitie.
Akush Ginekol (Sofiia) 12:179-87, 1973 (Bul)

**Stokinger HE** see **Clary JJ**

**Stolley H, Droese W, Schlage C:** Nahrungsmittelverbrauch und Nährstoffversorgung von Kleinkindern und Schulkindern.
Monatsschr Kinderheilkd 121:539-42, Aug 73 (Ger)

**Stoloff C:** Who joins Women's Liberation?
Psychiatry 36:325-40, Aug 73

**Stone GL** see **Gillis LS**

**Storey BT** see **Kusel JP**

**Strasser H, Brilling G, Klinger KP, et al:** Physiological and operational state of a group of aeroplane pilots under the conditions of stressing tracking tests.
Aerosp Med 44:1040-7, Sep 73

**Stream RW** see **Wilson RH**

**Strebel DE, Goel NS:** On the isocline methods for analyzing prey-predator interactions.
J Theor Biol 39:211-39, Apr 73

**Streeter CL** see **Schwartz CC**

**Strelkova NI:** Fizicheskie metody lecheniia professional'nykh zabolevanii perifericheskoi nervnoi sistemy.
Vopr Kurortol Fizioter Lech Fiz Kult 37:385-9, Sep-Oct 72 (Rus)

**Stromінger JL** see **Umbreit JN**

**Strong MS, Jako GJ, Polanyi T, et al:** Laser surgery in the aerodigestive tract. Am J Surg 126:529-33, Oct 73

**Strother HL** see **Shibley GP**

**Strulovici D** see **Cernescu C**

**Strydom NB** see **Wyndham CH**

**Studer E, Stapley RB:** The role of dry foods in maintaining healthy teeth and gums in the cat.
Vet Med Small Anim Clin 68:1124-6, Oct 73

**Stühlen HW** see **Plath P**

**Stull JW** see **Whiting FM**

**Styron CE, Dodson GJ:** Responses of a grassland arthropod community to simulated radioactive fallout. Radiat Res 55:487-500, Sep 73

**Sudia WD** see **Whitfield SG**

**Suedfeld P** see **Ward LM**

**Sullivan A** see **Klaus H**

**Summers GF** see **Clemente F**

**Sunderland WA** see **Waltemath CL**

**Sutcliffe P:** The need for treatment in 11 to 17-year-old children. A longitudinal epidemiological study.
Br Dent J 135:153-7, 21 Aug 73

**Sutnick AI** see **Chiurco AA**

**Sutton FC, Creighton WE:** Continuity of care. Unit provides nonacute care. Hospitals 47:46-9, 1 Oct 73

**Suzuki DT** see **Fitz-Earle M**

**Svare BB, Leshner AI:** Behavioral correlates of intermale aggression and grouping in mice.
J Comp Physiol Psychol 85:203-10, Oct 73

**Svensson LT** see **Lindvall T**

**Sweeney JG** see **Bacon CW**

**Sweetman AJ** see **Weetman DF**

**Swidler MA** see **Donovick PJ**

**Swierczyński J** see **Byczkowski J**

**Szabó A** see **Soós J**

**Szabo S** see **Selye H**

**Szafrański W** see **Durda M**


## T


**Tabolin VA, Lebedev VP:** Klinický význam sledování denních rytmů některých fyziologických funkcí dětského organismu.
Cesk Pediatr 28:396-8, Aug 73 (Cze)

**Taif B:** Nutrition and the elderly.
J Pract Nurs 23:20-2, Nov 73

**Takahashi K** see **Kajii T**

**Talens G** see **Reiter L**

**Talkington LW** see **Overbeck DB**

**Tallis JH** see **Lee JA**

**Tamura S, Tsuzuki S, Shoji S, et al:** Further studies on biochemical active substances in urine, increasing with fatigue due to physical exercise.
Jap J Pharmacol 23:243-50, Apr 73

**Tan KE** see **Chan HC**

**Tanudimadja K:** Bilateral anomaly of a ventral cervical muscle of a goat. Anat Anz 133:450-3, 1973

**Targett CS, Gunesee H, McBride F, et al:** An evaluation of the effects of smoking on maternal oestriol excretion during pregnancy and on fetal outcome.
J Obstet Gynaecol Br Commonw 80:815-21, Sep 73

**Tarrant KR** see **Hoodless RA**

**Täschner KL, Wanker K:** Soziale Ursachen des Drogenkonsums Jugendlicher.
Psychiatr Neurol Med Psychol (Leipz) 25:208-15, Apr 73 (Ger)

**Tashima CK:** Letter: Surfer's chest knots.
JAMA 226:468, 22 Oct 73

**Tashiro J** see **Zelenski SG**

**Tasumi M:** [Study of protein structure by laser Raman spectroscopy (author's transl)]
Protein Nucleic Acid Enzyme (Tokyo) 18:241-8, Apr 73 (29 ref.) (Jap)

**Tator CH** see **Wassenaar W**

**Taylor ME** see **Taylor RN**

**Taylor PJ:** The effects of shift work on worker health.
Ind Med Surg 42:13-9, Sep 73

**Taylor RN, Taylor ME:** Differential perceptions of environmental esthetics.
Percept Mot Skills 37:587-91, Oct 73

**Teeling-Smith G:** More money into the medical sector: is this the answer? Int J Health Serv 3:493-500, 1973

**Telford R** see **Ashton H**

**Tepper ES** see **Chizhov SV**

**Terkel J, Blake CA, Hoover V, et al:** Pup survival and prolactin levels in nicotine-treated lactating rats.
Proc Soc Exp Biol Med 143:1131-5, Sep 73

**Tesař J, Klír P:** Kotázce ovlivnění hladiny karbonylhemoglobinu v krvi u otrav kysličníkem

# AUTHOR SECTION


uhelnatým.
Cesk Patol 9:33-7, Aug 73 (Cze)
**Těšínský P, Vílová M:** Uvelitida a odehlípení sítnice po zásahu bleskem.
Cesk Oftalmol 29:375-8, Sep 73 (Cze)
**Tewell JE, Clark HE, Howe JM:** Phosphorus balances of adults fed rice, milk, and wheat flour mixtures.
J Am Diet Assoc 63:530-5, Nov 73
**Texter JH Jr:** The isolated ureter. A model for study of ureteral rejection. Urology 2:244-8, Sep 73
**Thaler MM see Kandall SR**
**Thatcher AR:** Variation of activity rates and earnings with increasing age. Proc R Soc Med 66:811-2, Aug 73
**Thibeault DW, Lachman RS, Laul VR, et al:** Pulmonary interstitial emphysema, pneumomediastinum, and pneumothorax. Occurrence in the newborn infant.
Am J Dis Child 126:611-4, Nov 73
**Thiele RL:** Compressed air injury of the colon: a report of two cases. Aust NZ J Surg 43:49-51, Jul 73
**Thomas DJ, Green ID:** Periodic hypothermia.
Br Med J 2:696-7, 23 Jun 73
**Thomas R, Delfau JL, Vacher JR, et al:** Spectromètre de masse à analyseur magnétique pour l'étude des plasmas de faible densité.
J Phys E Sci Instrum 6:875-9, Sep 73 (Fre)
**Thompson CR, Hensel EG, Kats G:** Outdoor-indoor levels of six air pollutants.
J Air Pollut Control Assoc 23:881-6, Oct 73
**Tillis BP:** Editorial: A rebuff by HEW.
NY State Dent J 39:526-7, Nov 73
**Tilson HH:** Stability of physician employment in neighborhood health centers.
Med Care 11:384-400, Sep-Oct 73
**Tiitman AJ see Yalciner S**
**Tinckler LF:** Letter: Smoke on the ward.
Lancet 2:858, 13 Oct 73
**Tinker CM see May JR**
**Titley KC see Hargreaves JA**
**Tkachuk AI:** Organizatsiia fizioterapevticheskoi pomoshchi na ugol'nykh shakhtakh i ee rol' v snizhenii zabolevaemosti gornorabochikh.
Vopr Kurortol Fizioter Lech Fiz Kult 37:458-62, Sep-Oct 72 (Rus)
**Todd JD see Kahrs RF**
**Tomatis L see Turusov VS**
**Toon R see Miller WC**
**Toyama T see Lebowitz MD**
**Trakhanov DF see Griner AA**
**Trevino HA see Bigler WJ**
**Trifković KS:** Un efficace mezzo di protezione della funzione auditiva dai rumori.
Lav Um 25:51-5, Mar 73 (Ita)
**Trutnovsky H see Paletta B**
**Tsou KC:** Carcinogen hazard in the synthesis of substrates. J Histochem Cytochem 21:836, Sep 73
**Tsuzuki S see Tamura S**
**Tuason VB, Spalt LH:** Psychiatric disorders in a community mental health center. I. Demography and diagnoses. Compr Psychiatry 14:457-63, Sep-Oct 73
**Tucker A, Horvath SM:** Relationship between organ weight and blood flow in rats adapted to simulated high altitude. Aerosp Med 44:1036-9, Sep 73
**Tucker JH see McKim JM**
**Tucker K:** Assessing Seebohm and after.
Spec Educ 62:14-7, Sep 73
**Tuncay OC see Shapiro IM**
**Tupin JP:** Letter: Diurnal temperature and manic depression. Lancet 2:843, 13 Oct 73
**Turco S, Davis NM:** Letter: Particulate contamination of carbenicillin products.
Am J Hosp Pharm 30:770-1, Sep 73
**Turpin P see Bisno AL**
**Turusov VS, Day NE, Tomatis L, et al:** Tumors in CF-1 mice exposed for six consecutive generations to DDT.
J Natl Cancer Inst 51:983-97, Sep 73
**Twibell JD see Perry R**
**Tyler WS see Castleman WL**
**Tyler WS see Plopper CG**


## U


**Udalov IuF see Ovsiannikov IF**
**Uematsu K, Miyaji T:** Brief communication: Induction of tumors in rats by oral administration of technical acid violet 6B. J Natl Cancer Inst 51:1337-8, Oct 73
**Ukeje MA:** Integration of maternal and child health activities. Trop Doct 3:182-4, Oct 73
**Ulfelder H:** Stilbestrol, adenosis, and adenocarcinoma.
Am J Obstet Gynecol 117:794-800, 15 Nov 73
**Ulirey DE see Groce AW**
**Umbreit JN, Strominger JL:** Relation of detergent HLB number to solubilization and stabilization of D-alanine carboxypeptidase from Bacillus subtilis membranes.
Proc Natl Acad Sci USA 70:2997-3001, Oct 73
**Urmantscheeva TG see Martin G**


## V


**Vacher JR see Thomas R**
**Valenti C:** Letter: prenatal treatment of hereditary diseases? Lancet 2:797-8, 6 Oct 73
**Valman HB see Faux GA**
**Vílová M see Těšínský P**
**Van den Driessche E, Vandepitte J, Van Dijck PJ, et al:** Letter: Primary amoebic meningoencephalitis after swimming in stream water. Lancet 2:971, 27 Oct 73
**Van den Eeckhaut J see Gersdorff M**
**Vandepitte J see Van den Driessche E**
**Van Dijck PJ see Van den Driessche E**
**Van Espen J:** Recommandations d'ordre technique pour l'amélioration de la propreté bactériologique des médicaments industriels.
J Pharm Belg 28:234-64, Mar-Apr 73 (Fre)
**Vanina LV, Beilin AL, Gafdamakina GL, et al:** K voprosu o snizhenii perinatal'nof smertnosti detef pri porokakh serdtsa u materef.
Vopr Okhr Materin Det 18:80-4, Jun 73 (Rus)
**Van Liere EJ see Sizemore DA**
**Vasil IK:** The new biology of pollen.
Naturwissenschaften 60:247-53, May 73
**Vasilev D see Stoimenov G**
**Vavra HM, Querec LJ:** A study of infant mortality from linked records by age of mother, total-birth order, and other variables: United States, 1960 live-birth cohort.
Vital Health Stat 20:1-52, Sep 73
**Velimirovic B:** Reappearance of plaque in Khmer Republic (formerly Cambodia).
Z Tropenmed Parasitol 24:265-70, Sep 73
**Vergason GA see Blue CM**
**Verma AK see Murray AW**
**Vesterberg O, Nise G:** Urinary proteins studied by use of isoelectric focusing. I. Tubular malfunction in association with exposure to cadmium.
Clin Chem 19:1179-85, Oct 73
**Vinnichek AN:** Kombikorm, obogashchennyi zigrovetinom, pri gel'mintozakh svinei.
Veterinariia 9:71-2, Sep 72 (Rus)
**Vogel E, Fahrig R, Obe G:** Triazenes, a new group of indirect mutagens. Comparative investigations of the genetic effects of different Aryldialkyltriazenes using Saccharomyces cerevisiae, the host-mediated assay, Drosophila melanogaster, and human chromosomes in vitro. Mutat Res 21:125-36, Jun 73
**Voisey MA see Jenkins DR**
**Volger E see Schmid-Schönbein H**
**Volkmar FR see Greenough WT**
**Voloshina LZ see Demina AA**
**Vriend J, Lauber JK:** Letter: Effects of light intensity, wavelength and quanta on gonads and spleen of the deer mouse. Nature 244:37-8, 6 Jul 73
**Vuori H:** Teaching of community medicine in the United States: an outsider's view.
Milbank Mem Fund Q 51:253-69, Spring 73


## W


**Wackenier JP see Farriaux JP**
**Wahlberg JE:** Thresholds of sensitivity in metal contact allergy. 2. The value of percutaneous absorption studies for selection of the most suitable vehicle.
Berufsdermatosen 21:151-8, Aug 73
**Wakefield JS see Hicks RM**
**Wald N, Smith PG:** Letter: Smoking tables for carbon monoxide? Lancet 2:907-8, 20 Oct 73
**Waldman HB:** Must 8 specialties equal 7 specialists + 1 traitor? NY J Dent 43:315-7, Dec 73
**Waldron I see Factor RM**
**Walker B, Gordon TJ:** Community health aspects of water pollution problems.
Med Ann DC 42:498-502, Oct 73
**Wall NR see D'Angelo SA**
**Wallace JD:** Health system of largest communist country less socialized than ours in many ways.
Can Med Assoc J 109:409, 1 Sep 73
**Wallace JD:** It's bad medicine-legally and morally.
Can Med Assoc J 109:776 passim, 20 Oct 73
**Wallace ME see Kacser H**
**Wallin T see Jerneliov A**
**Walsh DF see Sanders HO**
**Walsh RN see Cummins RA**
**Walsh WT see Boese JL**
**Walt JJ van der see Weber HW**
**Waltemath CL, Erbguth FH, Sunderland WA:** Increased respiratory resistance after ultrasonic humidification of anesthesia gas.
Anesthesiology 39:547-9, Nov 73
**Waltking AE, Bieffert GW, Brickman L, et al:** Analytical critique of hexitols used as a cooking medium. J Am Oil Chem Soc 50:353-6, Sep 73
**Wang PS, Odell GV:** Formation of pyrazines from thermal treatment of some amino-hydroxy compounds. J Agric Food Chem 21:868-70, Sep-Oct 73
**Wanker K see Kacser H**
**Ward JM, Yamamoto RS, Brown CA:** Pathology of intestinal neoplasms and other lesions in rats exposed to azoxymethane. J Natl Cancer Inst 51:1029-39, Sep 73
**Ward LM, Suedfeld P:** Human responses to highway noise. Environ Res 6:306-26, Sep 73
**Ward RA:** The influence of Ronald Ropss upon the early development of malaria vector control procedures in the United States Army.
J Trop Med Hyg 76:207-9, Aug 73
**Warneck P see Driscoll JN**
**Warner PO, Stevens L:** Revaluation of the "Chattanooga school children study" in the light of other contemporary governmental studies: the possible impact of these findings on the present NO2 air quality standard.
J Air Pollut Control Assoc 23:769-72, Sep 73
**Wassenaar W, Tator CH, So WS:** The development of an intracerebral glioma model for brain tumor chemotherapy. J Neurosurg 39:293-301, Sep 73
**Wasserman MP see Lotlikar PD**
**Watanabe S, Fraak R, Yokoyama E:** Acute effects of ozone on lungs of cats. I. Functional.
Am Rev Respir Dis 108:1141-51, Nov 73
**Waters R, Parry JM:** The response to chemical mutagens of the individual haploid and homoallelic diploid UV-sensitive mutants of the rad 3 locus of Saccharomyces cerevisiae.
Mol Gen Genet 124:135-43, 10 Aug 73
**Watt JJ van der see Kempff PG**
**Weade BL see Adams J**
**Weathers DB see Dale WE**
**Weber G, Kleemer MF:** Hygienische Probleme bei der Trinkwasserversorgung aus einem Tiefbrunnen.
Zentralbl Bakteriol [Orig B] 157:89-93, Apr 73 (Ger)
**Weber HW, Walt JJ van der:** Cardiomyopathy in crowded rabbits. A preliminary report.
S Afr Med J 47:1591-5, 8 Sep 73
**Węciawik Z:** Analiza statystyczna 349 przypadków powikłań pogrypowych leczonych w Wojewódzkim Szpitalu Zakaźnym w Szczecinie podczas epidemii grypy "Hong Kong" w r. 1969.
Pol Tyg Lek 28:1360-3, 27 Sep 73 (Pol)
**Weerdhof T van de, Wiersum ML, Reissenweber H:** Application of liquid chromatography in food analysis.
J Chromatogr 83:455-60, 29 Aug 73
**Weetman DF, Cain K, Sweetman AJ:** The mechanism of the myocardial depression produced by congeners of the acaricide, fenazaflor.
Arch Int Pharmacodyn Ther 203:342-7, Jun 73
**Weibb S:** Verbot von "Baycovin".
Munch Med Wochenschr 115:1405, 10 Aug 73 (Ger)
**Weisburger EK see Freeman AE**
**Weisburger EK see Yamamoto RS**
**Weisburger JH see Freeman AE**
**Weisgerber I see Kohli J**
**Weiss E de C, Cravioto H, Weiss JF, et al:** Brief communication: Pathologic effects in rats surviving prenatal and neonatal administration of 1,3-bis(2-chloroethyl)-1-nitrosourea.
J Natl Cancer Inst 51:1363-6, Oct 73
**Weiss J, Freeborn DK, Lamb S:** Use of mental health services by poverty and nonpoverty members of a prepaid group practice plan.
Health Serv Rep 88:853-62, Aug-Sep 73
**Weiss JF see Weiss E de C**
**Weiss H, Brockhaus A:** Nachweis und Bestimmung von 2-Naphthol im Grobbstadtaerosol.
Zentralbl Bakteriol [Orig B] 157:28-33, Apr 73 (Ger)
**Weitzman E see Henkind P**
**Wells F see Aitis-Slater RB**
**Wennberg LA, Ekström NA, Adler FO, et al:** Energy balance and change in body weight and body water in man during a 2-day cold exposure.
J Appl Physiol 35:477-9, Oct 73
**Werner SB, Pappagianis D:** Coccidioidomycosis in Northern California. An outbreak among archeology students near Red Bluff. Calif Med 119:10-20, Sep 73
**Wernsdorfer G, Hernsdorfer WH:** Arbeitsmedizinische Aspekte in den Entwicklungsländern.
Munch Med Wochenschr 115:1321-8, 3 Aug 73 (Ger)
**Westlake WE, Ittig M, Ott DE, et al:** Persistence of residues of the insecticide phosphamidon on and in oranges, lemons, and grapefruit, and on and in orange leaves and in dried citrus pulp cattle feed.
J Agric Food Chem 21:846-50, Sep-Oct 73
**Wewalka G, Flamm H:** Die Keimverbreitung durch Gummiüberschuhe im aseptischen Bereich.
Zentralbl Bakteriol [Orig B] 157:23-7, Apr 73 (Ger)
**Whitacre DM see Dorough HW**
**White EW see Hurley MG**
**Whitfield SG, Murphy FA, Sudia WD:** St. Louis encephalitis virus: an ultrastructural study of infection in a mosquito vector.
Virology 56:70-87, Nov 73
**Whiting FM, Brown WH, Stull JW:** Pesticide residues in milk and in tissues following long, low 2,2-bis(p-chlorophenyl)-1,1,1-trichloroethane intake.
J Dairy Sci 56:1324-8, Oct 73
**Whitson TC see Ahmad I**
**Whittingham S see Mathews JD**
**Widdowson EM, Shaw WT:** Letter: Full and empty fat cells. Lancet 2:905, 20 Oct 73
**Wiersum ML see Weerdhof T van de**
**Wiesenfeld AR see Emmerich DS**
**Wilde RC:** Dr. Wilde calls for one level of care for all.
Pa Med 76:25-6, Nov 73
**Wilkins DC see Fox RH**
**Will DH see McMurtry IF**
**Willcox RR:** International contact tracing in venereal disease. WHO Chron 27:418-22, Oct 73
**Williams R:** Transmission of hepatitis and Australia antigenaemia within a liver unit.
Proc R Soc Med 66:799, Aug 73
**Williams RJ see Yew ML**
**Wilson JM, Galbraith JD, Grzybowski S:** Tuberculosis in Eskimo children. A comparison of disease in children vaccinated with bacillus Calmette-Guérin and nonvaccinated children.
Am Rev Respir Dis 108:559-64, Sep 73
**Wilson RH, Stream RW, Dirks DD:** Spread-of-masking effects on pure tones and several speech stimuli.
J Speech Hear Res 16:385-96, Sep 73
**Wisseman CL Jr see Boese JL**
**Witherup SO see Petering HG**
**Wojtusiak J:** The diurnal activity of Vanessa urticae (L.) in alternating light conditions.
Folia Biol (Krakow) 21:229-33, 1973
**Wolfe S, Badgley RF:** The family doctor 1960 to 2000 A.D. Med Care 11:363-72, Sep-Oct 73
**Wong YK, Wood BS:** Relative roles of phototherapy and phenobarbitone in treatment of nonhaemolytic neonatal jaundice. Arch Dis Child 48:704-8, Sep 73
**Wood BS see Wong YK**
**Woodland M see Abayomi I**
**Woodward DJ see Chanda R**
**Woolley D see Reiter L**
**Worthen LR see Zelenski SG**
**Wozniak M see Popinigis J**
**Wright FW:** Letter: Diagnostic radiology and the fetus.
Br Med J 3:693-4, 29 Sep 73
**Wróblewski TE, Markiewicz L:** Excretion of catecholamines in urine under conditions of emotional stress (shocking movies).
Int Z Angew Physiol 31:227-31, 20 Jul 73
**Wu WT see Dalili H**
**Wyatt RG see Busche R**
**Wyndham CH, Strydom NB, Benade AJ, et al:** Limiting rates of work for acclimatization at high wet bulb temperatures. J Appl Physiol 35:454-8, Oct 73


## Y


**Yalciner S, Tiitman AJ, Friedell GH:** In vivo transplantability of urinary bladder epithelia from rats ingesting N-(4-(5-nitro-2-furyl)-2-thiazolyl)formamide.
J Natl Cancer Inst 51:1177-85, Oct 73
**Yamamoto RS, Richardson HL, Weisburger EK, et al:** Carcinogenicity of proposed cancer chemotherapeutic agents with stilbene-arylnitrosamine structures.
J Natl Cancer Inst 51:1313-5, Oct 73
**Yamamoto RS see Ward JM**
**Yang MG see Post KM**
**Yarom R see Stein H**
**Yates JT:** New careers in speech pathology, audiology,

and language for black and Spainish-surnamed Americans. ASHA 15:344-8, Jul 73
Yeager DW see Petering HG
Yeomans ND see St. John DJ
Yew ML, Lo Y, Williams RJ: Levels of optimal vitamin C intake in individuals as estimated by the lingual tests. Proc Soc Exp Biol Med 144:628-7, Nov 73
Yin-Murphy M see Lim KH
Yman L see Brandt R
Yoder RD, Moore RA: Characteristics of convicted drunken drivers. Q J Stud Alcohol 34:927-36, Sep 73
Yogore MG Jr see Murrell KD
Yokoyama E see Watanabe S
Yoshie N: Diagnostic significance of the electrocochleogram in clinical audiometry. Audiology 12:504-39, Sep-Dec 73
Yost G see Kohen DP
Ytrehus A: The development of a comprehensive treatment programme. Experiences from the after-care service of a mental hospital. Acta Psychiatr Scand [Suppl] 1-80, 1973
Yu NT, Jo BH: Comparison of protein structure in crystals and in solution by laser Raman scattering. II. Ribonuclease A and carboxypeptidase A. J Am Chem Soc 95:5033-7, 25 Jul 73

## Z

Zahorski W: Wpływ środowiska pracy na stan układu oddechowego. Pol Arch Med Wewn 50:903-8, Sep 73 (Pol)
Zaidi SH, Dogra RK, Shanker R, et al: Experimental infective manganese pneumoconiosis in guinea pigs. Environ Res 6:287-97, Sep 73
Zaidi SH, Shanker R, Dogra RK: Experimental infective pneumoconiosis: effect of asbestos dust and Candida albicans infection on the lungs of rhesus monkeys. Environ Res 6:274-86, Sep 73
Zakharov EM see Dovzhanskii SI
Zamfir G, Melinte C, Duda R: Probleme actuale igienico-sanitare privind aprovizionarea centrală cu apă, factor esențial în sistematizarea centrelor populate rurale. Rev Med Chir Soc Med Nat Iasi 77:497-502, Jul-Sep 73 (Rum)
Zarif S see Kohli J
Zatsepin VG see Griner AA
Zavesa PZ see Shamatov NM
Zayiskie RG see Paulson GD
Zaszornik J, Kryspin-Exner K, Irsigler K: Über die ekkrine Schweißbdrüsenfunktion bei chronischen Alkoholikern. II. Der Magnesium- und Kalziumverlust im Schweißb und Harn wärmeexposition. Wien Klin Wochenschr 85:558-60, 17 Aug 73 (Ger)
Zeitlin H see Leung G
Zelaschi F see Pavesi F
Zelenski SG, Tashiro J, Worthen LR, et al: A gas chromatographic method of quantitating DDT in the presence of interfering polychlorinated biphenyl. J Chromatogr 84:67-73, 12 Sep 73
Zeller WJ, Ivankovic S: Untersuchungen zur Beeinflussung der teratogenen Wirkung von Äthyl-Nitrosoharnstoff durch Gewebehomogenate in vitro. Z Krebsforsch 79:162-4, 7 May 73 (Ger)
Zelles L, Ernst D: The stimulation of pollen tube formation of Pinus silvestris by ultra-violet light. Biophysik 9:357-63, 27 Jul 73
Zelson JH, O'Brien RT, Pearson HA: A community program for education, testing and counseling for abnormal hemoglobins. Conn Med 37:435-9, Sep 73
Zembala M, Asherson GL: Depression of the T cell phenomenon of contact sensitivity by T cells from unresponsive mice. Nature 244:227-8, 27 Jul 73
Zhavoronkov NI, Zhogov IF, Zhuravlev VN: Sluchaĭ ostrogo otravleniia krupnogo rogatogo skota svintsom. Veterinariia 9:89-91, Sep 72 (Rus)
Zhogov IF see Zhavoronkov NI
Zhuravlev VN see Zhavoronkov NI
Zielke E: Experimentelle Untersuchungen über die quantitativen Verhältnisse bei der Übertragung von Dirofilaria immitis durch Stechmücken. Z Tropenmed Parasitol 24:214-21, Jun 73 (Ger)
Zimmermann U, Cegla U: Der Deuterium- und Sauerstoff-18-Gehalt der Körperflüssigkeit des Menschen und seine Änderung bei Ortswechsel. Naturwissenschaften 60:245-6, May 73 (Ger)
Zuskin E see Guyatt AR
Zutter M see Doell D

## ANONYMOUS

**Acta Psychiatr Scand [Suppl]**
Psychiatric services, planning and organisation and family therapy. Acta Psychiatr Scand [Suppl] 1-73, Aug 73

**Am Ind Hyg Assoc J**
Hygienic guide series: titanium. Am Ind Hyg Assoc J 34:275-7, Jun 73

**Arch Dermatol**
Epidemiology of contact dermatitis in North America: 1972. Arch Dermatol 108:537-40, Oct 73

**Arch Geschwulstforsch**
Kontrolle und Vorbeugung von Berufskrebsen. Informationen aus einem Bericht der Internationalen Arbeitsorganisation (ILO) über eine Expertentagung. Arch Geschwulstforsch 41:398-403, 1973 (Ger)

**Br Med J**
Fall-out from bomb tests. Br Med J 3:510-1, 8 Sep 73
Deliberate injury of children. Br Med J 4:61-2, 13 Oct 73
Letter: Anaesthetic safety devices. Br Med J 4:105, 13 Oct 73
Non-accidental injury to children. Br Med J 4:96-7, 13 Oct 73

**Can Med Assoc J**
Editorial: Smoking substitutes. Can Med Assoc J 109:455, 15 Sep 73
Study on Saskatchewan community clinics suggests total health expenditure not less. Report fails to deal with incentive issue for clinics physicians. Can Med Assoc J 109:656, 6 Oct 73
Letter: Geology and disase in Newfoundland. Can Med Assoc J 109:677-8, 20 Oct 73
Letters. Saskatchewan global budget, community clinics: comments from our readers. Can Med Assoc J 109:791 passim, 20 Oct 73

**Chest**
Recommendations for continuous oxygen therapy in chronic obstructive lung disease. Report of the Committee on Emphysema. American College of Chest Physicians. Chest 64:505-7, Oct 73

**Chin Med J**
[Quantitative study of major pollutants emitted from diesel engines] Chin Med J 1:57-9, 1973 (Chi)
[Use of fibrous filtering membrane for sampling dust concentration and estimating dust dispersion] Chin Med J 1:55-6, 1973 (Chi)
[Application of mathematical principles in medicine and public health] Chin Med J 9:570-6, 1973 (Chi)

**Clin Pediatr (Phila)**
The Child Welfare League of America, Inc. Clin Pediatr (Phila) 12:454, Jul 73

**Environ Res**
Measurement of annoyance due to exposure to environmental factors. The fourth Karolinska Institute Symposium on Environmental Health. Environ Res 6:1-36, Mar 73

**Group Adv Psychiatry [Rep]**
Humane reproduction. Group Adv Psychiatry [Rep] 86:381-516, Aug 73

**Health Devices**
Hazard: Reading lamp switches. Health Devices 2:293, Oct 73

**J Air Pollut Control Assoc**
How do we really stand with the clean air act? J Air Pollut Control Assoc 23:837-44, Oct 73

**J Am Diet Assoc**
Central commissaries: three examples of an evolving food service concept. J Am Diet Assoc 63:422-6, Oct 73

**J Am Vet Med Assoc**
Legal responsibilities in prescribing feed additives and drugs. J Am Vet Med Assoc 163:434-5, 1 Sep 73

**J Ir Med Assoc**
The community physician. J Ir Med Assoc 66:519, 29 Sep 73

**J Ky Med Assoc**
From the files of the Committee for the Study of Maternal Mortality. J Ky Med Assoc 71:639, Oct 73

**J Med Assoc State Ala**
University trains students for the "twentieth specialty." Let's put the family doctor back into our small towns. J Med Assoc State Ala 43:285 passim, Oct 73

**J Med Soc NJ**
Physicians seeking location in New Jersey. J Med Soc NJ 70:691-9, Sep 73

**J Trop Pediatr**
UNICEF field manual on health care of mothers and children. J Trop Pediatr 19:53-85, Sep 73

**Khirurgiia (Mosk)**
Obrazovanie SSSR--torzhestvo leninskoĭ natsional'noĭ politiki partii. Khirurgiia (Mosk) 48:3-8, Dec 72 (Rus)

**Lancet**
Editorial: Small particles in small airways. Lancet 2:948-9, 27 Oct 73
Editorial: Population and the new biology. Lancet 2:834-5, 13 Oct 73
Editorial: Social disadvantage. Lancet 2:952-3, 27 Oct 73
Editorial: Calcitonin in search of a function. Lancet 2:771-2, 6 Oct 73
Editorial: Deeper into hepatitis B. Lancet 2:887-8, 20 Oct 73

**Med Instrum**
Questions and answers about AAMI's standards program. Med Instrum 7:209-11, May-Aug 73

**Med J Aust**
The home environment. Med J Aust 2:54-5, 14 Jul 73
Editorial: Death by lightning. Med J Aust 2:252, 11 Aug 73

**Med Lett Drugs Ther**
Cholera: advice for travelers. Med Lett Drugs Ther 15:83-3, Sep 73
Feminins and other vitamin-mineral supplements for women taking oral contraceptives. Med Lett Drugs Ther 15:81-2, Sep 73

**Mutat Res**
The European Environmental Mutagen Society. Abstracts of papers presented at the Third Annual Meeting, June 4th-7th, 1973. The Biomedical Centre, University of Uppsala (Sweden). Mutat Res 21:183-246, Aug 73

**N Engl J Med**
Boating and health. N Engl J Med 289:1038-9, 8 Nov 73
Letter: Wind parotitis. N Engl J Med 289:1094-5, 15 Nov 73
Letter: Effects of vitamin E: good and bad. N Engl J Med 289:979-80, 1 Nov 73

**Nature**
Smoking, pregnancy and publicity. Nature 245:61, 14 Sep 73

**WHO Chron**
Laboratory animals and public health. WHO Chron 27:352-5, Sep 73
Health hazards in the working environment. WHO Chron 27:344-6, Sep 73
Basic sanitary services: the WHO programme for the advancement and transfer of knowledge and methods in community water supply and wastes disposal. WHO Chron 27:430-2, Oct 73
Scientific aspects of marine pollution: an interdisciplinary approach. WHO Chron 27:433-5, Oct 73

**WHO Tech Rep Ser**
The use of viruses for the control of insect pests and disease vectors. Report of a joint FAO-WHO meeting on insect viruses. WHO Tech Rep Ser 531:3-48, 1973

**Z Haut Geschlechtskr**
Photoallergie. Z Haut Geschlechtskr 48:467-9, 15 Jun 73 (Ger)

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

DHEW Publication No. (NIH) 74- 264